

1991 INDEX

A

Abdomen

- drainage in laparoscopic cholecystectomy, Sept., 625
- ring, internal
 - closure of, Marcy plastic, June, 439
 - crura of, June, 412-413
 - failure to close causing recurrence of indirect inguinal hernia, June, 440, 442
- upper quadrant, CT of pheochromocytoma of, Oct., 717
- wall
 - anterior, lower right, posterior view of, June, 415
 - lower, fasciomusculoaponeurotic components of, June, 409

Above-knee

- amputation (*see* Amputation for ischemia, above-knee)
- infrainguinal bypass, Feb., 137

Abuse: IV drug, causing upper extremity deep venous thrombosis, May, 385

Acid

- base balance in stress erosive gastritis, July, 470
- luminal, in stress erosive gastritis, July, 466

Addison's disease: and adrenal metastases, Oct., 730-731

Adenoma

adrenal

- Conn's syndrome due to (*see* Hyperaldosteronism, primary)
- Cushing's syndrome due to (*see* Cushing's syndrome, adrenal adenoma causing)
- aldosterone-producing, Oct., 670-677
- (*See also* Hyperaldosteronism, primary)
- differentiated from idiopathic hyperaldosteronism, Oct., 673

localization, Oct., 674-675

localization, by selective venous sampling, Oct., 675

Adhesions: in laparoscopic cholecystectomy, Sept., 624-625

Adrenal

- adenoma (*see* Adenoma, adrenal)
- cortex carcinoma (*see* Carcinoma, adrenocortical)
- cortex, embryology of, Oct., 663-664
- cortex neoplasms, Oct., 664-696
 - definitions, Oct., 665
 - differentiating malignant from benign, Oct., 688-689
 - functional, Oct., 665-695
 - functional, benign, Oct., 665-677
 - functional, malignant, Oct., 677-695
 - nonfunctional, Oct., 695-696
 - nonfunctional, benign, Oct., 695-696
 - nonfunctional, malignant, Oct., 696
- cyst, Oct., 696
 - biopsy of, fine-needle aspiration, Oct., 721-722
 - CT of, Oct., 721
- hyperplasia, congenital
 - female pseudohermaphroditism due to, Aug., 538-542
 - prenatal treatment, Aug., 541-542
 - steroid management, Aug., 541
- masses, incidental, Oct., 720-725
- CT scan review for features of cyst, Oct., 721
- diagnoses, final, Oct., 725
- differential diagnosis, Oct., 721-723
- evaluation, flow diagram for, Oct., 724
- evaluation by size, Oct., 722
- incidence, Oct., 720

1991 INDEX

A

Abdomen

- drainage in laparoscopic cholecystectomy, Sept., 625
- ring, internal
 - closure of, Marcy plastic, June, 439
 - crura of, June, 412-413
 - failure to close causing recurrence of indirect inguinal hernia, June, 440, 442
- upper quadrant, CT of pheochromocytoma of, Oct., 717
- wall
 - anterior, lower right, posterior view of, June, 415
 - lower, fasciomusculoaponeurotic components of, June, 409

Above-knee

- amputation (*see* Amputation for ischemia, above-knee)
- infrainguinal bypass, Feb., 137

Abuse: IV drug, causing upper extremity deep venous thrombosis, May, 385

Acid

- base balance in stress erosive gastritis, July, 470
- luminal, in stress erosive gastritis, July, 466

Addison's disease: and adrenal metastases, Oct., 730-731

Adenoma

adrenal

- Conn's syndrome due to (*see* Hyperaldosteronism, primary)
- Cushing's syndrome due to (*see* Cushing's syndrome, adrenal adenoma causing)
- aldosterone-producing, Oct., 670-677
- (*See also* Hyperaldosteronism, primary)
- differentiated from idiopathic hyperaldosteronism, Oct., 673

localization, Oct., 674-675

localization, by selective venous sampling, Oct., 675

Adhesions: in laparoscopic cholecystectomy, Sept., 624-625

Adrenal

- adenoma (*see* Adenoma, adrenal)
- cortex carcinoma (*see* Carcinoma, adrenocortical)
- cortex, embryology of, Oct., 663-664
- cortex neoplasms, Oct., 664-696
 - definitions, Oct., 665
 - differentiating malignant from benign, Oct., 688-689
 - functional, Oct., 665-695
 - functional, benign, Oct., 665-677
 - functional, malignant, Oct., 677-695
 - nonfunctional, Oct., 695-696
 - nonfunctional, benign, Oct., 695-696
 - nonfunctional, malignant, Oct., 696
- cyst, Oct., 696
 - biopsy of, fine-needle aspiration, Oct., 721-722
 - CT of, Oct., 721
- hyperplasia, congenital
 - female pseudohermaphroditism due to, Aug., 538-542
 - prenatal treatment, Aug., 541-542
 - steroid management, Aug., 541
- masses, incidental, Oct., 720-725
- CT scan review for features of cyst, Oct., 721
- diagnoses, final, Oct., 725
- differential diagnosis, Oct., 721-723
- evaluation, flow diagram for, Oct., 724
- evaluation by size, Oct., 722
- incidence, Oct., 720

- management, Oct., 723-724
- MRI of, Oct., 722
- medulla embryology, Oct., 696-697
- medulla neoplasms, Oct., 696-720
- definitions, Oct., 697-698
- functional, Oct., 698-716
- functional (*See also* Pheochromocytoma)
- functional, benign, Oct., 698-713
- functional, malignant, Oct., 713-716
- nonfunctional (*see* Paraganglioma)
- metastases (*see* Metastases, adrenal)
- neoplasms, Oct., 663-739
- (*See also* Adrenal, cortex neoplasms; Adrenal, medulla neoplasms)
- incidence, Oct., 664
- right, differentiated from normal right kidney by arteriography, Oct., 686
- vein
- in adrenocortical carcinoma, MRI of, Oct., 684
- in pheochromocytoma, CT of, Oct., 714
- Adrenocortical (*see* Adrenal, cortex)
- Adrenogenital syndrome (*see* Adrenal, hyperplasia, congenital)
- Adventitial arterial degeneration: cystic, arteriographic findings in, Jan., 77
- Age
- adrenocortical carcinoma and, Oct., 677
- amputation for lower limb ischemia and, Feb., 142-143
- cystic adventitial arterial degeneration and, Jan., 77
- ischemia and, chronic lower extremity, Jan., 14, 17, 20
- pheochromocytoma and, Oct., 699
- thromboangiitis obliterans and, Jan., 73
- varicose veins and, May, 374
- Air
- embolization, systemic, after pulmonary injury, Nov., 781
- plethysmography (*see* Plethysmography, air)
- AIS Excimer Laser: photograph of, Feb., 115
- Aldosterone-producing adenoma (*see* Adenoma, aldosterone-producing)
- Alfentanil: in pheochromocytoma surgery, Oct., 709
- Alpha-adrenergic blockade in pheochromocytoma
- operative, Oct., 709
- during pregnancy, Oct., 712
- preoperative, Oct., 706-707
- Alpha-methyl-para-tyrosine in pheochromocytoma, Oct., 707
- malignant, Oct., 715
- Amaurosis fugax, Mar., 221
- Amikacin, Dec., 885
- Aminoglutethimide: in adrenocortical carcinoma, Oct., 694
- Aminoglycosides, Dec., 881-885
- synergism with penicillin, Dec., 831-832
- Amoxicillin, Dec., 838
- clavulanate, Dec., 845
- Amphotericin, Dec., 885-886
- adverse reactions, Dec., 886
- antifungal spectrum, Dec., 886
- pharmacokinetics, Dec., 886
- usual dose and dose interval, Dec., 885-886
- Ampicillin, Dec., 836-838
- adverse reactions, Dec., 838
- antibacterial spectrum, Dec., 837-838
- pharmacokinetics, Dec., 837
- sulbactam, Dec., 843-845
- adverse reactions, Dec., 844
- antibacterial spectrum, Dec., 844, 845
- features, Dec., 844
- pharmacokinetics, Dec., 844
- Amputation for ischemia
- above-knee
- systolic pressure and, Feb., 151
- technique, Feb., 160-161

Amputation for ischemia (cont.)

below-knee, technique, Feb., 158-160

Chopart's, technique, Feb., 158

Lisfranc's, technique, Feb., 158

lower limb, Feb., 140-164

annual number and percentages for each common level, in U.S., Feb., 142

conclusions, Feb., 163-164

evaluation of patients for, Feb., 142-144

history, Feb., 140-142

indications, Feb., 144

level determination, Feb., 148-155

level determination, laser Doppler velocimetry for, Feb., 151-152

level determination, overview, Feb., 155

level determination, segmental systolic pressure for, Feb., 150

level determination, skin blood flow for, Feb., 153-154

level determination, skin fluorescence for, Feb., 152

level determination, skin perfusion pressure for, Feb., 152-153

level determination, thermography for, Feb., 154

level determination, transcutaneous P_{O_2} for, Feb., 149-150

level after failed bypass, Feb., 146

morbidity after, Feb., 162-163

mortality after, Feb., 162-163

preoperative patient characteristics, Feb., 143

survival after, Feb., 162-163

technique, Feb., 155-161

vs. revascularization, Feb., 144-148

ray, technique, Feb., 156-157

Syme's, technique, Feb., 158, 159

toe, technique, Feb., 155-156

transmetatarsal, technique, Feb., 157-158

Anaerobe cephalosporins, Dec., 852-854

Anatomy

aortic arch, variations of, Mar., 190

of cerebral circulation, Mar., 189-196

Ancef (see Cefazolin)

Androgen

receptor, cloning of, Aug., 524

treatment of microphallus in early infancy, Aug., 544-545

Anemia: hemolytic, due to antibiotics, Dec., 823

Anesthesia

for carotid endarterectomy, Mar., 232-233

for cholecystectomy, laparoscopic, Sept., 607-608

for hernia repair, Shouldice, June, 424

Anesthetic

management of pheochromocytoma, Oct., 708-710

Aneurysm

carotid, Mar., 205-206

femoral, arteriographic findings, Jan., 77

lower-extremity, arteriographic findings, Jan., 70-72, 77, 78

popliteal, arteriographic findings, Jan., 78

Angiographic therapy: for bleeding from stress gastritis, July, 499-500

Angiography

(See also Arteriography)

of fibromuscular dysplasia, carotid, Mar., 207

in ischemia, chronic lower-extremity, Jan., 56-82

catheterization in, Jan., 57-58

digital subtraction angiography, Jan., 62-63

distal vessel opacification, Jan., 63-66

"dry limb" balloon occlusion technique, Jan., 66

patient preparation for, Jan., 57

puncture in, Jan., 57-58

special situations, Jan., 60-61

techniques, Jan., 56-66

- transaxillary approach, Jan., 58-59
- Angioplasty
- balloon vein, in Paget-Schroetter syndrome, May, 388-389
 - laser, in chronic lower-extremity ischemia, Feb., 113-115
 - percutaneous transluminal aortoiliac patency after, Feb., 105
 - femoropopliteal, Feb., 107-109
 - femoropopliteal, complications in, Feb., 109
 - femoropopliteal, limb salvage after, Feb., 108
 - femoropopliteal patency after, Feb., 105
 - of iliac arteries, Feb., 104-107
 - of iliac arteries, complications in, Feb., 109
 - infrapopliteal, Feb., 110-111
 - percutaneous transluminal, of lower extremities, Feb., 104-113
 - adjuncts to, Feb., 113-124
 - current status, Feb., 111
 - mechanism of action, Feb., 111-113
 - restenosis after, etiologies and interventions, Feb., 112
- Ankle-brachial systolic blood pressure index: in chronic lower-extremity ischemia, Jan., 35-36
- Antacids
- for bleeding from stress gastritis, July, 498
 - comparison of, July, 478
 - in stress ulcer prophylaxis, July, 476-478
 - vs. cimetidine, July, 481
- Antianggregants: in cerebrovascular disease, Mar., 241-242
- Antibiotic(s), Dec., 807-907
- adverse reactions, Dec., 821-824
 - beta-lactam, structure-function relationships in, Dec., 822
 - bioavailability, Dec., 811
 - biological half-life, Dec., 813, 815
 - break point, Dec., 820
 - choice of, Dec., 809-811
 - concentration
 - in infected tissue, Dec., 816
 - minimal inhibitory, Dec., 814
 - data, specific, Dec., 824-887
 - distribution, Dec., 811-813
 - dose, Dec., 810-811
 - excretion route, Dec., 816-818
 - flora and, normal, Dec., 818-819
 - in general surgery, Dec., 807-907
 - hematologic reactions to, Dec., 822-823
 - host defenses and, Dec., 824
 - hypersensitivity reaction to, Dec., 821-822
 - microbiology and, Dec., 818-821
 - non- β -lactam, Dec., 863-885
 - pharmacokinetics, Dec., 811-818
 - prophylaxis, Dec., 887-899
 - in appendicitis, Dec., 894-895
 - in biliary operations, Dec., 896-898
 - in clean operations, Dec., 898-899
 - in colon operations, Dec., 893-894
 - in colon operations, single-dose vs. multiple dose, Dec., 891
 - duration of, Dec., 890
 - effective, principles of, Dec., 890-893
 - in esophagus operations, Dec., 896
 - in gastroduodenal operations, Dec., 895-896
 - procedure-specific infection rates and, Dec., 889-890
 - in rectum operations, Dec., 893-894
 - in specific clinical circumstances, Dec., 893-899
 - timing of, Dec., 887-889
 - in vascular operations, Dec., 898
 - renal failure due to, Dec., 823
 - resistance mechanisms, Dec., 819-820
 - susceptibility, testing for, Dec., 820-821
 - therapy

Antibiotic(s) (*cont.*)

therapy (*cont.*)

duration of, Dec., 811

empiric, Dec., 899-900

guidelines for, Dec., 808

tolerance, Dec., 820

toxicity

CNS, Dec., 823

gastrointestinal, Dec., 824

hepatic, Dec., 823

Anticoagulation

in cerebrovascular disease, Mar., 240-241

in ischemia, chronic lower-extremity, Jan., 52

Antifungal drugs, Dec., 885-887

Antihypertensive drugs: in delayed aortic rupture repair, Nov., 775

Antiplatelet drugs

after infrainguinal bypass, Feb., 131

in ischemia, chronic lower-extremity, Jan., 51-52

Antrectomy in peptic ulcer

diagram, Apr., 278

truncal vagotomy and (*see* Vagotomy, truncal, antrectomy and)

Aorta

arch anatomy, variations of, Mar., 190

cross-clamping after aortic rupture, Nov., 775

injuries, Nov., 771-775

aortography after, Nov., 773, 774

x-ray after, Nov., 773, 774

rupture, traumatic, diagram of stresses contributing to, Nov., 772

Aortography: after aortic injuries, Nov., 773, 774

Aortoiliac

disease, isolated, segmental limb pressure in, Jan., 37

patency after percutaneous transluminal angioplasty, Feb., 105

Aplasia

venous, congenital deep, causing chronic venous insufficiency, May, 359

venous valvular, congenital, causing chronic venous insufficiency, May, 359

Appendectomy

inguinal hernia after, June, 416

laparoscopic, Sept., 648

during pregnancy, Sept., 593

Appendicitis: antibiotic prophylaxis in, Dec., 894-895

Arteriography

(*See also* Angiography)

differentiating adrenal tumor from normal kidney, Oct., 686 findings

in aneurysms of lower extremity, Jan., 70-72, 77, 78

in arteritis, lower extremity, Jan., 78-79

in atherosclerosis, lower extremity, Jan., 66-70, 71, 72, 73, 74, 75, 76

in cystic adventitial arterial degeneration, Jan., 77

in ergot toxicity, Jan., 79, 81-82

in popliteal artery entrapment

syndrome, Jan., 74, 76-77, 80

in thromboangiitis obliterans, Jan., 73-74, 79

Arteriotomy closure: in carotid endarterectomy, Mar., 238

Arteritis

giant cell, Mar., 212-213

lower extremity, arteriographic findings in, Jan., 78-79

Takayasu's, Mar., 212-213

temporal, Mar., 212

Artery(ies)

carotid (*see* Carotid, artery)

cystic, avulsion, in laparoscopic cholecystectomy, Sept., 624

degeneration, cystic adventitial, arteriographic findings in, Jan., 77

femoral (*see* Femoral, artery)

iliac, percutaneous transluminal angioplasty of, Feb., 104-107

complications, Feb., 109

infrapopliteal, percutaneous transluminal angioplasty of, Feb., 110-111

innominate, traumatic rupture of, Nov., 777

peripheral, stenosis, duplex criteria for, Jan., 42

popliteal (see Popliteal artery)

subclavian (see Subclavian, artery)

vertebral (see Vertebral, arteries)

Aspiration biopsy: fine-needle, of adrenal cyst, Oct., 721-722

Aspirin

in cerebrovascular disease, Mar., 241-242

after infrainguinal bypass, Feb., 131

in ischemia, chronic lower-extremity, Jan., 51-52

Atherectomy catheters, Feb., 115-118

AtheroCath, Feb., 116

proposed mechanism of action, Feb., 117

Atherosclerosis

carotid, Mar., 202-203

lower-extremity, arteriographic findings, Jan., 66-70, 71, 72, 73, 74, 75, 76

smoking effects on, Jan., 46

Auth Rotablator, Feb., 118

Avulsion: of cystic duct or artery in laparoscopic cholecystectomy, Sept., 624

Axillosubclavian venous thrombosis (see Thrombosis, venous, deep, upper extremity)

Azactam (see Aztreonam)

Azlocillin, Dec., 840-841

Aztreonam, Dec., 858-860

adverse reactions, Dec., 860

antibacterial spectrum, Dec., 859, 862

features, Dec., 860

pharmacokinetics, Dec., 859, 861

B

Bacteria

abbreviations of, Dec., 826-827

alphabetic list of, Dec., 827-828

gram-negative, cell wall structure of, Dec., 830

gram-positive, cell wall structure of, Dec., 830

identification of, Dec., 808-809

Bactibilia: risk factors for, Dec., 897

Bactrim (see Sulfamethoxazole-trimethoprim)

Balloon

angioplasty, vein, in Paget-Schroetter syndrome, May, 388-389

occlusion angiography, "dry limb," Jan., 66

Barbiturates

after aortic cross-clamping, Nov., 775

pheochromocytoma surgery and, Oct., 708

Baroreceptor malfunction: causing blood pressure abnormalities after carotid endarterectomy, Mar., 244

Bassini repair: of groin hernias, June, 419-421

Behcet's disease: carotid artery in, Mar., 214

Below-knee

amputation for ischemia, technique, Feb., 158-160

infrainguinal bypass, Feb., 137

Benzodiazepines: and pheochromocytoma surgery, Oct., 708

Beta-adrenergic blockade: in pheochromocytoma, Oct., 707-708

Beta-lactam antibiotics: structure-function relationships in, Dec., 822

Bicarbonate-mucus barrier: in stress erosive gastritis, July, 471-472

Bile duct

common, stones, management during laparoscopic cholecystectomy, Sept., 636-638

injuries during laparoscopic cholecystectomy, Sept., 627-628

reflux in stress erosive gastritis, July, 466-467

- Biliary operations: antibiotic prophylaxis in, Dec., 896-898
- Billroth II anastomosis: after gastric resection, complications of, Apr., 280
- Biochemical evaluation: preoperative, in adrenocortical carcinoma, Oct., 679-680
- Biology of hernias
femoral, June, 416-417
groin, June, 413-417
inguinal, June, 413-414
- Biopsy
fine-needle aspiration, of adrenal cyst, Oct., 721-722
genital skin, in male pseudohermaphroditism, Aug., 533
gonadal, in intersex abnormalities, Aug., 533
- Bladder
drainage for hypospadias repair, Aug., 558
graft neourethra in hypospadias repair, Aug., 566
diverticulum in, Aug., 567
- Bleeding
antibiotics causing, Dec., 822-823
after carotid endarterectomy, Mar., 243
during cholecystectomy, laparoscopic, Sept., 626-627
gastritis causing, stress erosive diagnosis, July, 495-496
management, July, 495-502
treatment, angiographic, July, 499-500
treatment, endoscopic, July, 498-499
treatment, medical, July, 497-498
treatment, nonoperative, July, 497-500
treatment, operative, July, 500-502
intraperitoneal, after gunshot wound, Nov., 766
ulcers, selection of operation for duodenal, Apr., 305-307
gastric, Apr., 307-308
peptic, Apr., 305-308
- Blood flow
cerebral (*see* Cerebral, blood flow)
mucosal, in stress erosive gastritis, July, 468-471
skin, for determination of lower limb amputation level, Feb., 153-154
volume measurements in chronic lower-extremity ischemia, Jan., 32
- pressure
abnormalities after carotid endarterectomy, Mar., 243-244
index, ankle-brachial systolic, in chronic lower-extremity ischemia, Jan., 35-36
monitoring in pheochromocytoma surgery, Oct., 709
segmental limb, in chronic lower-extremity ischemia, Jan., 36-37
systolic, segmental, for determination of lower limb amputation level, Feb., 150-151
supply of penis, Aug., 548
volume expansion after penetrating cardiac trauma, Nov., 754
- Boot: Unna's, May, 367
- Brachial systolic blood pressure: in chronic lower-extremity ischemia, Jan., 35-36
- Brain scanning: in cerebrovascular disease, Mar., 227-230
- Bronchi
main stem, traumatic rupture, Nov., 780
tracheobronchial injury, Nov., 776-779
- Bullet(s)
in heart (*see* Heart, bullets in) wounds
of chest (*see* Chest, wounds, bullet)
of neck, lower, Nov., 783
of supraclavicular fossa, Nov., 774
of ventricle, left, Nov., 758
- Burns: and stress gastritis, July, 462-463

Buttock flap vaginoplasty: in infants raised as females, Aug., 554-557

Bypass

- infrainguinal, in chronic lower-extremity ischemia, Feb., 125-139
 - above-knee vs. below-knee, Feb., 137
 - choice of conduit, Feb., 126-127
 - complications after, Feb., 135-136
 - current issues pertaining to, Feb., 137-138
 - graft patency after, Feb., 131-135
 - historical perspective, Feb., 125-126
 - initial PTFE bypass, Feb., 138
 - in situ vs. reversed vein bypass, Feb., 137
 - limb salvage after, Feb., 131-134
 - operative management, Feb., 128-130
 - patient selection, Feb., 126
 - postoperative management, Feb., 131
 - preoperative evaluation, Feb., 126
 - PTFE, patency, Feb., 135
 - results, Feb., 133
 - sequential grafting, Feb., 138
 - survival after, Feb., 131-134
- venous
- in thrombosis, upper extremity deep venous, May, 387
 - in venous insufficiency, chronic, May, 372-373

C

Calf

- compression, postoperative intermittent pneumatic, after venous reconstruction, May, 373
- muscle pump, May, 345-346

Calot's triangle (see Cholecystectomy, laparoscopic, Calot's triangle in)

Canadian repair: of groin hernias, June, 424-427

Cancer

- testis, in intersex patients, Aug., 574-575
- thrombophlebitis and, migratory, May, 384

Carbapenems, Dec., 860-863

Carbenicillin, Dec., 841

Carcinoma

- adrenocortical, Oct., 677-695
 - biochemical evaluation, preoperative, Oct., 679-680
 - classification, Oct., 677-679
 - CT of, Oct., 679, 680
 - etiology, Oct., 677
 - follow-up, Oct., 689
 - hormone excess in, drugs for, Oct., 694
 - incidence, Oct., 677
 - localization, Oct., 680-683
 - metastases, nonsurgical treatment, Oct., 689-695
 - mitotane in, Oct., 690
 - MRI of, Oct., 681, 682, 683
 - presentation, Oct., 677-679
 - prognostic indicators, Oct., 688
 - recurrences, treatment of, Oct., 689
 - recurrences, treatment of, non-surgical, Oct., 689-695
 - staging criteria, Oct., 683-684
 - survival, Oct., 687-688
 - treatment, Oct., 684-687
 - treatment, adjuvant, Oct., 695
 - venography in, Oct., 685
- testis, in situ, in intersex patients Aug., 574-575

Cardiac (see Heart)

Cardiothoracic trauma, Nov., 747-797

(See also Chest, injuries; Heart, trauma)

general management, Nov., 748-750

initial assessment, Nov., 748-750

introduction, Nov., 747-748

Care

- postoperative, after laparoscopic cholecystectomy, Sept., 628
- preoperative, in laparoscopic cholecystectomy, Sept., 607-608

Carnitine: in chronic lower-extremity ischemia, Jan., 54

Carotid

artery(ies)

- aneurysms, Mar., 205-206
- atherosclerosis, Mar., 202-203
- in Behçet's disease, Mar., 214
- bifurcation (*see* Carotid, bifurcation *below*)
- coils, Mar., 204-205
- common, Mar., 196
- common, anatomy of, Mar., 192-194
- exposure during carotid endarterectomy, Mar., 245
- external, anatomy of, Mar., 193
- fibromuscular dysplasia, Mar., 206-207
- fibromuscular dysplasia, angiogram of, Mar., 207
- internal, anatomy of, Mar., 193-194
- internal, entry into skull, Mar., 194
- kinks, Mar., 204-205
- in lupus erythematosus, systemic, Mar., 213-214
- in periarteritis nodosa, Mar., 213
- radiation-induced injury to, Mar., 210-211
- in vasculitis, Mar., 211-214
- backpressure monitoring, technique, Mar., 234
- bifurcation, Mar., 195-196
 - exposure in endarterectomy, Mar., 233-234
 - pathologic entities affecting, Mar., 201-214
- body tumors, Mar., 208-210
 - angiogram of, Mar., 208
- endarterectomy (*see* Endarterectomy, carotid)

stenosis

- asymptomatic, trials of carotid endarterectomy in, ACAS Group, Mar., 252
 - asymptomatic, trials of carotid endarterectomy in, Veterans Administration, Mar., 251-252
 - recurrent, after endarterectomy, Mar., 247-248
 - ulcer, Mar., 203
 - thrombus in ulcer crater and, Mar., 218
- Catecholamine secretion: excess, manifestation of, Oct., 699
- ## Catheter
- atherectomy, Feb., 115-118
 - Foley, in pheochromocytoma surgery, Oct., 709
 - Swan-Ganz
 - in pheochromocytoma surgery, Oct., 709
 - thrombosis due to, upper extremity deep venous, May, 384
- ## Catheterization
- for angiography in chronic lower-extremity ischemia, Jan., 57-58
 - subclavian vein, causing upper extremity deep venous thrombosis, May, 384
- Cefaclor, Dec., 852
- Cefadroxil, Dec., 852
- Cefamandole, Dec., 851
- Cefazolin, Dec., 850-851
 - activity, spectrum of, Dec., 850, 851
 - adverse reactions, Dec., 851
 - features, Dec., 851
 - pharmacokinetics, Dec., 849, 850
- Cefmenoxime, Dec., 857
- Cefmetazole, Dec., 854
- Cefoperazone, Dec., 851
- Ceforanide, Dec., 851
- Cefotaxime, Dec., 856-857
 - adverse reactions, Dec., 857
 - antibacterial spectrum, Dec., 857, 859, 860
 - features, Dec., 857

- pharmacokinetics, Dec., 856, 858
- Cefotetan, Dec., 854
- Cefoxitin, Dec., 852-854
 - adverse reactions, Dec., 853
 - antibacterial spectrum, Dec., 853, 854
 - pharmacokinetics, Dec., 852-853
- Cefradine, Dec., 852
- Cefsulodin, Dec., 855
- Ceftazidime, Dec., 854-855
 - adverse reactions, Dec., 855
 - antibacterial spectrum, Dec., 855, 856, 857
 - features, Dec., 855
 - pharmacokinetics, Dec., 854-855
- Ceftizoxime, Dec., 857
- Ceftriaxone, Dec., 857-858
- Cefuroxime, Dec., 851
- Cell(s)
 - gastric mucosa, protected by mucosal barrier, Apr., 320
 - germ cell tumors in intersex patients, Aug., 575
 - giant cell arteritis, Mar., 212-213
 - parietal (see Vagotomy, parietal cell)
 - wall structure of gram-positive and gram-negative bacteria, Dec., 830
- Central nervous system
 - disease causing stress gastritis, July, 463
 - toxicity of antibiotics, Dec., 823
- Cephalexin, Dec., 852
- Cephalosporins, Dec., 845-858
 - action
 - mechanism of, Dec., 847
 - spectrum of, Dec., 847-849
 - anaerobe, Dec., 852-854
 - coliform, Dec., 856-858
 - general information, Dec., 845-850
 - pharmacokinetic properties, Dec., 817
 - pseudomonal, Dec., 854-856
 - resistance to, Dec., 849-850
 - staphylococcal, Dec., 850-852
 - structure, Dec., 848
 - function relationships, Dec., 846-847
- Cephalothin, Dec., 851
- Cephapirin, Dec., 851
- Cerebral
 - blood flow
 - monitoring in carotid endarterectomy, Mar., 234-235
 - response to variation in PaCO₂ levels, Mar., 200
 - circulation
 - anatomy, Mar., 189-196
 - in cerebrovascular disorders, Mar., 199-200
 - collateral, Mar., 195-196
 - intrathoracic segments, Mar., 190
 - metabolic requirements, Mar., 197-198
 - physiology, Mar., 196-201
 - physiology, methods of study, Mar., 196-197
 - infarct, CT of, Mar., 229
 - ischemia (see Ischemia, cerebral)
 - perfusion
 - luxury, Mar., 201
 - misery, Mar., 201
 - pathologic, Mar., 200-201
- Cerebrospinal fluid drainage: after aortic cross-clamping, Nov., 775
- Cerebrovascular disease
 - antiaggregants in, Mar., 241-242
 - anticoagulation in, Mar., 240-241
 - brain scanning in, Mar., 227-230
 - circulatory factors in, Mar., 199-200
 - diagnostic methods, Mar., 223-230
 - Doppler in, transcranial, Mar., 226-227
 - duplex scanning in, Mar., 226
 - endarterectomy in (see Endarterectomy, carotid)
 - history in, Mar., 223-225
 - imaging in, vessel (see Imaging, vessel, in cerebrovascular disease)
 - management, medical, Mar., 240-242
 - MRI in, Mar., 228-229
 - oculoplethysmography in, Mar., 225-226

Cerebrovascular disease (*cont.*)

physical examination in, Mar., 223-225

tomography in

computed, Mar., 228, 229

positron emission, Mar., 229-230

Chair sitting: and varicose veins, May, 374-375

Chemicals: breaking mucosal barrier causing peptic ulcer, Apr., 319-321

Chemotherapy: in adrenocortical carcinoma, Oct., 690-693

Chest

flail, Nov., 786-788

diagram of, Nov., 787

injuries

(*See also* Cardiothoracic trauma; Chest, wounds)

blunt, x-ray after, Nov., 777

wounds

bullet, esophagograms after, Nov., 782

bullet, x-ray after, Nov., 781

sucking, Nov., 785-786

Children

carotid artery coils and kinks in, Mar., 204

infant (*see* Infant)

intersex abnormalities in (*see* Intersex abnormalities)

newborn (*see* Newborn)

pheochromocytoma in, Oct., 699

Chloramphenicol, Dec., 880-881

adverse reactions, Dec., 881

antibacterial spectrum, Dec., 881

features, Dec., 881

pharmacokinetics, Dec., 880-881

Chloromycetin (*see* Chloramphenicol)

Chlortetracycline, Dec., 869

Cholangiography during laparoscopic cholecystectomy

absence of filling of proximal biliary tree on, Sept., 640

criteria for, Sept., 632

normal-appearing, Sept., 635

routine vs. selective, Sept., 632

technique, Sept., 632-636

Cholecystectomy

laparoscopic, Sept., 587-655

abdominal drainage in, Sept., 625

adhesions in, Sept., 624-625

adhesions to infundibulum

lysed by stripping action,

Sept., *Color Plate* at 618

anatomic hazards in, Sept., 621

anesthesia for, Sept., 607-608

avulsion of cystic duct or artery in, Sept., 624

background, Sept., 587-592

Calot's triangle in, exposure of, Sept., *Color Plate* at 618

Calot's triangle in, reverse of, Sept., *Color Plate* at 618

cholangiography during (*see* cholangiography during laparoscopic cholecystectomy)

cholecystitis and, acute, Sept., 622-623

clinical series, Sept., 638-644

clinical series, author's, Sept., 638-644

clip appliers in, Sept., 605

comparison to alternative therapies for cholelithiasis, Sept., 592

complications of, Sept., 627-628

consent for, Sept., 594

contraindications, Sept., 593-594

controversies in, Sept., 628-638

conversion to open operation

during, Sept., 621

courses in, Sept., 645-647

credentialing for, Sept., 647

documentation, Sept., 594-595

electrocautery in, insulated

probes for, Sept., 604

electrocautery in, vs. laser,

Sept., 628-632

forceps in, curved, Sept., 601

forceps in, dissecting, Sept., 600

forceps in, grasping, Sept., 599

gallbladder dissection in, leaving only thin bridge of tissue, Sept., *Color Plate* at 618

- gallbladder exposed through umbilical incision, Sept., *Color Plate* at 618
- hemorrhage during, Sept., 626–627
- indications, Sept., 592–593
- instrumentation, Sept., 595–607
- instrumentation, basic laparoscopy, Sept., 595–598
- intrahepatic gallbladder in, Sept., 624
- intraoperative gallbladder in, Sept., 623–624
- large gallstones in, Sept., 625, 626
- laser vs. electrocautery in, Sept., 628–632
- ligature in, Sept., 603
- management of common duct stones during, Sept., 636–638
- needle holders in, Sept., 602
- operating room organization for, Sept., 607
- operative technique, Sept., 607–621
- operative time for, Sept., 643
- pneumoperitoneum creation in, Sept., 608–611
- pneumoperitoneum creation in, Veress needle for, Sept., 596
- postoperative care, Sept., 628
- preoperative care, Sept., 607–608
- preoperative considerations, Sept., 592–595
- results, Sept., 644
- scissors in, Sept., 602
- special considerations in performance of, Sept., 621–628
- technique, Sept., 611–621
- training for, Sept., 645
- trocarsheath insertion in, Sept., 608–611, 612
- trocarsheath insertion in, positions for, Sept., 615
- video, electronic equipment for, Sept., 606
- traditional open, Sept., 587
- conversion to, during laparoscopic cholecystectomy, Sept., 621
- Cholecystitis: acute, and laparoscopic cholecystectomy, Sept., 622–623
- Cholelithiasis (see Gallstones)
- Chopart's amputation: for ischemia, technique, Feb., 158
- Chorionic gonadotropin (see Gonadotropin, chorionic)
- Cigarette smoking (see Smoking)
- Cimetidine
- for bleeding from stress gastritis, July 498
- in stress ulcer prophylaxis, July, 480–484
- gastric pH after, July, 483
- gastric pH after, in patients with renal and/or hepatic dysfunction, July, 488
- vs. antacids, July, 481
- Ciprofloxacin, Dec., 869–870
- adverse reactions, Dec., 870
- antibacterial spectrum, Dec., 869, 872, 873
- features, Dec., 870
- pharmacokinetics, Dec., 869, 870
- Circulation, cerebral (see Cerebral, circulation)
- Cisplatin: in adrenocortical carcinoma, Oct., 692–693
- Claforan (see Cefotaxime)
- Claudication, intermittent
- death in, causes of, Jan., 28
- in Framingham Study, Jan., 19
- incidence, Jan., 18
- natural history, Jan., 22–24
- risk factors, Jan., 20
- survival and, Jan., 27
- Clavulanate: amoxicillin-clavulanate, Dec., 845
- Clean operations: antibiotic prophylaxis in, Dec., 898–899
- Cleocin (see Clindamycin)
- Clindamycin, Dec., 878–880
- adverse reactions, Dec., 879
- antibacterial spectrum, Dec., 878–879, 880
- features, Dec., 879

- Clindamycin (*cont.*)
 pharmacokinetics, Dec., 878
- Clip applicators: for laparoscopic surgery, Sept., 605
- Clitoral recession: in infants raised as females, Aug., 547-551
- Clonidine suppression test: in pheochromocytoma, Oct., 701
- Cloxacillin, Dec., 836
- CNS (*see* Central nervous system)
- Coagulation disorder: due to antiobiotics, Dec., 822-823
- Coagulopathy: lupus-associated, Mar., 213-214
- Coils: carotid, Mar., 204-205
- Coliform cephalosporins, Dec., 856-858
- Colitis: pseudomembranous, due to antibiotics, Dec., 824
- Collagen defect: and inguinal hernia, June, 414
- Collateral circulation: cerebral, Mar., 195-196
- Colon operations
 antibiotic prophylaxis in, Dec., 893-894
 single-dose vs. multiple-dose, Dec., 891
 preparation for, Dec., 894
- Communicating veins, May, 347
- Compression
 calf, postoperative intermittent pneumatic, after venous reconstruction, May, 373
 classes, elastic stocking, May, 368
 therapy
 in varicose veins, May, 381
 in venous insufficiency, chronic, May, 367-369
- Computed tomography
 of adenoma
 adrenal, in Cushing's syndrome, Oct., 669
 aldosterone-producing, Oct., 674
 of adrenal cyst, Oct., 721
 of adrenal metastases, Oct., 726-728
 of adrenocortical carcinoma, Oct., 679, 680
- in aortic injury, Nov., 774
 of cerebral infarct, Mar., 229
 of cerebrovascular disease, Mar., 228, 229
 of paraganglioma, Oct., 719
 of pheochromocytoma, Oct., 701-702, 703, 705-706
 of abdomen, upper quadrant, Oct., 717
 malignant, Oct., 714, 715
 of organ of Zuckerkandl, Oct., 717
- Condon repair: of groin hernias, June, 423-424
- Conn's syndrome (*see* Hyperaldosteronism, primary)
- Consent: for laparoscopic cholecystectomy, Sept., 594
- Contraceptives: oral, and upper extremity deep venous thrombosis, May, 388
- Contusion
 cardiac, Nov., 767-770
 photomicrographs of, Nov., 768
 pulmonary, Nov., 781
 flail chest and, Nov., 787-788
- Cooper ligament
 polypropylene mesh attached to, for recurrent groin hernia, June, 444
 repair of groin hernias, June, 421-423
- Corticosteroids (*see* Steroids)
- Costs: of endovascular procedures for chronic lower-extremity ischemia, Feb., 123
- Cotrimoxazole (*see* Sulfamethoxazole-trimethoprim)
- Coumadin (*see* Warfarin)
- Courses: in laparoscopic cholecystectomy, Sept., 645-647
- Cranial nerve injuries: during carotid endarterectomy, Mar., 244-245
- Cranium
 carotid artery entry into, internal, Mar., 194
 vertebral artery entry into, Mar., 192
- Credentiaing: for laparoscopic cholecystectomy, Sept., 647

Cross-clamping: of aorta after aortic rupture, Nov., 775

Crura: of internal abdominal ring, June, 412-413

Cryptorchidism: medical therapy of, Aug., 545

CT (see Computed tomography)

Curling's ulcer, July, 462-463

Cushing's syndrome
adrenal adenoma causing, Oct., 665-670
CT in, Oct., 669
localization in, Oct., 668-669
prognosis, Oct., 669-670
treatment, Oct., 669
confirmation of, flow diagram for, Oct., 666
etiology, flow diagram for determining, Oct., 667

Cushing's ulcer, July, 463

Cyst (see Adrenal, cyst)

Cystic
adventitial arterial degeneration, arteriographic findings in, Jan., 77
duct or artery avulsion in laparoscopic cholecystectomy, Sept., 624

Cystoscopy: before perineal reconstructions in infants raised as females, Aug., 547

Cystostomy for hypospadias
penoscrotal, Aug., 560
perineal, Aug., 561

Cytometry: flow, in malignant pheochromocytoma, Oct., 713-714

D

Dacron graft: in left ventricular bullet wound repair, Nov., 758

Death (see Mortality)

Devascularization: gastric, for bleeding from stress gastritis, July, 501-502

Dexamethasone suppression tests: in Cushing's syndrome, Oct., 667-668

Dextran 70: after infrainguinal bypass, Feb., 131

Diaschisis, Mar., 201

Dicloxacillin, Dec., 836

Digital
measurements in chronic lower-extremity ischemia, Jan., 33-34
subtraction angiography in chronic lower-extremity ischemia, Jan., 62-63
subtraction venography in upper extremity deep venous thrombosis, May, 386

Digitalis: in pheochromocytoma, Oct., 708

Dipyridamole
in cerebrovascular disease, Mar., 241-242
in ischemia, chronic lower-extremity, Jan., 51

Disarticulation: forefoot, for ischemia, technique, Feb., 158

Dissecting forceps: in laparoscopic cholecystectomy, Sept., 600

Disulfuram-like responses: with antibiotics, Dec., 823

Diverticulum: in bladder graft neourethra, Aug., 567

Documentation: of laparoscopic cholecystectomy, Sept., 594-595

Doppler
analog waveform analysis in chronic lower-extremity ischemia, Jan., 39-40
ultrasound
techniques in chronic lower-extremity ischemia, Jan., 34-35
transcranial, in cerebrovascular disease, Mar., 226-227
velocimetry, laser, for determination of lower limb amputation level, Feb., 151-152
venous examination in chronic venous insufficiency, May, 363

Doxycycline, Dec., 868-869
adverse reactions, Dec., 868-869

Doxycycline (cont.)

- antibacterial spectrum, Dec., 868
- pharmacokinetics, Dec., 868

Drainage

- abdominal, in laparoscopic cholecystectomy, Sept., 625
- bladder, for hypospadias repair, Aug., 558
- CSF, after aortic cross-clamping, Nov., 775
- gastric, in peptic ulcer, Apr., 272-275
- types of, Apr., 273

Drug(s)

- abuse, IV, causing upper extremity deep venous thrombosis, May, 385
- antifungal, Dec., 885-887
- antihypertensive, in delayed aortic rupture repair, Nov., 775
- antiplatelet (*see* Antiplatelet drugs)
- gastritis due to, July, 463-464
- hemorrhologic, in chronic lower-extremity ischemia, Jan., 53-54
- for hormone excess in adrenocortical carcinoma, Oct., 694
- in ischemia, chronic lower-extremity, Jan., 49-54
- kinetics (*see* Pharmacokinetics)
- metabolic enhancing, in chronic lower-extremity ischemia, Jan., 54

- Duct: cystic, avulsion, in laparoscopic cholecystectomy, Sept., 624

Duodenum

- gastroduodenal operations, antibiotic prophylaxis in, Dec., 895-896
- ulcer (*see* Ulcer, duodenal)

Duplex scanning

- in cerebrovascular disease, Mar., 226
- criteria for stenosis of peripheral arteries, Jan., 42
- in ischemia, chronic lower-extremity, Jan., 40-42

- in thrombosis, upper extremity deep venous, May, 386
- in venous insufficiency, chronic, May, 363-365

- Dysgenesis, gonadal (*see* Gonad, dysgenesis)

- Dysplasia, carotid fibromuscular, Mar., 206-207
- angiogram of, Mar., 207

E

- ECG (*see* Electrocardiography)

Echocardiography

- after cardiac contusion, Nov., 769
- after cardiac wounds, penetrating, Nov., 757

- Edema: lower extremity, after infrainguinal bypass, Feb., 135-136

- EEG monitoring: during carotid endarterectomy, Mar., 236

- Effort-induced axillosubclavian venous thrombosis, May, 388-389

- Elastic stocking compression classes, May, 368

Electrocardiography

- after cardiac contusion, Nov., 768-769
- after cardiac wound repair, penetrating, Nov., 762
- monitoring in pheochromocytoma surgery, Oct., 709

- Electrocautery (*see* Cholecystectomy, laparoscopic, electrocautery in)

- Electrocoagulation: for bleeding from stress gastritis, July, 498-499

- Electroencephalogram: in carotid endarterectomy, Mar., 236

- Electronic equipment: for video laparoscopy, Sept., 606

- Embolism (*see* Pulmonary, embolism)

Embolization

- air, after pulmonary injury, Nov., 781

- transcatheter, for bleeding from stress gastritis, July, 500
- Embryology**
 of adrenal cortex, Oct., 663-664
 of adrenal medulla, Oct., 696-697
- Embryonic development: and intersex abnormalities**, Aug., 520-526
- Emphysema**
 metastatic, and inguinal hernia, June, 414
 subcutaneous, after blunt chest trauma, Nov., 777
- Enderectomy**
 carotid (*see below*)
 infrainguinal, Feb., 136
- Enderectomy, carotid**, Mar., 187-262
 anesthesia for, Mar., 232-233
 arteriotomy closure in, Mar., 238
 blood pressure abnormalities after, Mar., 243-244
 cardiac morbidity after, Mar., 246-247
 cerebral blood flow monitoring in, Mar., 234-235
 complications, postoperative, Mar., 242-248
 cranial nerve injuries during, Mar., 244-245
 EEG monitoring during, Mar., 236
 historical perspective, Mar., 188-189
 incision and exposure of carotid bifurcation in, Mar., 233-234
 indications, Mar., 230-232
 based on combination of symptoms and lesions, Mar., 232
 controversial, Mar., 231-232
 operative, by presence of specific identifiable lesion, Mar., 231
 symptomatic, Mar., 230-231
 operative field during exposure of carotid artery in, Mar., 245
 positioning for, Mar., 233
 postoperative monitoring, Mar., 239-240
 recurrent carotid stenosis after, Mar., 247-248
 results, Mar., 248-251
 technical, validation of, Mar., 238-239
 shunt placement in, Mar., 235-237
 stroke complicating, Mar., 245-246
 surgical technique, Mar., 232-240
 technique, Mar., 237-238
 trials, prospective randomized, current status of, Mar., 251-252
- ACAS Group, Mar., 252
 Veterans Administration, Mar., 251-252
 wound closure in, Mar., 239
 wound complications after, Mar., 243
- Endocrine neoplasia: multiple, type II, and pheochromocytoma**, Oct., 698-699
- Endoscopic therapy: for bleeding from stress gastritis**, July, 498-499
- Endothelium**
 -derived relaxing factor, May, 348
 vascular, May, 346-348
- Endovascular procedures for chronic lower-extremity ischemia**, Feb., 103-124
 conclusions, Feb., 124
 perceived benefits of cost, Feb., 123
 perceived benefits of risk reduction, Feb., 123-124
 transluminal techniques vs. surgical standards, results of, Feb., 121-123
- Enflurane: in pheochromocytoma surgery**, Oct., 709
- Enoxacin**, Dec., 870
- Enterococcal penicillins**, Dec., 836-838
- Enzyme deficiencies leading to pseudohermaphroditism**
 female, Aug., 538
 male, Aug., 535
- Eosinophilia: due to antibiotics**, Dec., 823
- Epithelial renewal: in stress erosive gastritis**, July, 472

Equipment: electronic, for video laparoscopy, Sept., 606

Ergot toxicity: arteriographic findings in, Jan., 79, 81-82

Erythromycin
base, Dec., 873-875
adverse reactions, Dec., 874
antibacterial spectrum, Dec., 873-874, 875
features, Dec., 874
pharmacokinetics, Dec., 873
estolate, Dec., 874
gluceptate, Dec., 874
stearate, Dec., 874

Esophagogastric junction: in parietal cell vagotomy, Apr., 297

Esophagograms after bullet wounds
of chest, Nov., 782
of neck, lower, Nov., 783

Esophagus
injuries, Nov., 782-785
cervical, diagram of exposure and repair of, Nov., 784
thoracic, diagram of repair of, Nov., 785
operations, antibiotic prophylaxis in, Dec., 896

Ethaverine: in chronic lower-extremity ischemia, Jan., 50

Etomidate: in pheochromocytoma surgery, Oct., 709

Examination, physical (*see* Physical examination)

Exercise
arm, heavy, and deep venous upper extremity thrombosis, May, 388
in ischemia, chronic lower-extremity, Jan., 48-49
testing in chronic lower-extremity ischemia, Jan., 38-39

Extra-adrenal pheochromocytoma, Oct., 716

Extremity
(*See also* Limb)
lower
amputation (*see* Amputation for ischemia, lower limb)
aneurysms, arteriographic findings, Jan., 70-72, 77, 78

arteritis, arteriographic findings in, Jan., 78-79

atherosclerosis, arteriographic findings, Jan., 66-70, 71, 72, 73, 74, 75, 76

edema after infrainguinal bypass, Feb., 135-136

ischemia (*see* Ischemia, lower-extremity)

pain, differential diagnosis of, Jan., 30

thromboangiitis obliterans, arteriographic findings in, Jan., 73-74, 79

thrombosis of, deep venous (*see* Thrombosis, venous, deep, lower extremity)

venous valves in, average number and location of, May, 344

upper, deep venous thrombosis of (*see* Thrombosis, venous, deep, upper extremity)

F

Factor XII deficiency: and migratory thrombophlebitis, May, 384

Famotidine
for bleeding from stress gastritis, July, 498
in stress ulcer prophylaxis, July, 485-488
pH after (*see* pH, gastric, after famotidine)

Fascia, transversalis (*see* Transversalis fascia)

Fasciomusculoaponeurotic components: of lower abdominal wall, June, 409

Femoral
Artery
(*See also* Femoropopliteal)
aneurysm, arteriographic findings, Jan., 77
bifurcation, digital subtraction arteriogram, Jan., 62
hernia (*see* Hernia, femoral)
sheath, June, 412, 413
vein, incompetent superficial, ligation of, May, 372

Femoropopliteal
 (See also Femoral, artery;
 Popliteal artery)
 angioplasty (see Angioplasty, per-
 cutaneous transluminal, fem-
 oropopliteal)
 disease, segmental limb pressure
 in, Jan., 37
 patency after percutaneous trans-
 luminal angioplasty, Feb., 105
 Fentanyl: in pheochromocytoma
 surgery, Oct., 709
 Fibromuscular dysplasia, carotid,
 Mar., 206-207
 angiogram of, Mar., 207
 Filter: inferior vena cava, in
 paraganglioma surgery, Oct.,
 719
 Fine-needle aspiration biopsy: of
 adrenal cyst, Oct., 721-722
 Flail chest, Nov., 786-788
 diagram of, Nov., 787
 Flora: normal, and antibiotics, Dec.,
 818-819
 Flow cytometry: in malignant
 pheochromocytoma, Oct.,
 713-714
 Fluclxacillin, Dec., 836
 Fluconazole, Dec., 886-887
 Flucytosine, Dec., 886-887
 Fluorescence: skin, for determina-
 tion of lower limb amputa-
 tion level, Feb., 152
 Fluoroquinolones, Dec., 869-870
 Foley catheter: in pheochromocy-
 toma surgery, Oct., 709
 Forceps (see Cholecystectomy, lap-
 aroscopic, forceps in)
 Forefoot disarticulation: for isch-
 emia, technique, Feb., 158
 Fortaz (see Ceftazidime)
 Fossa: supraclavicular, bullet
 wound of, Nov., 774
 Fungizone (see Amphotericin)

G

Gallbladder
 intrahepatic, in laparoscopic
 cholecystectomy, Sept., 624

intraoperative, in laparoscopic
 cholecystectomy, Sept., 623-
 624
 Gallstones
 cholecystectomy for, laparoscopic
 (see Cholecystectomy, lap-
 aroscopic)
 large, in laparoscopic cholecys-
 tectomy, Sept., 625, 626
 therapies for, Sept., 589-590
 comparison to laparoscopic
 cholecystectomy, Sept., 592
 Garamycin (see Gentamicin)
 Gastric
 devascularization for bleeding
 from stress gastritis, July,
 501-502
 drainage operations in peptic ul-
 cer, Apr., 272-275
 types of, Apr., 273
 epithelial renewal in stress ero-
 sive gastritis, July, 472
 erosion compared to gastric ul-
 cer, July, 461
 mucosa
 barrier broken by chemicals,
 shock, and sepsis, ulcers af-
 ter, Apr., 319-321
 barrier protecting gastric mu-
 cosa cells, Apr., 320
 blood flow and stress erosive
 gastritis, July, 468-471
 cells protected by mucosal bar-
 rier, Apr., 320
 mucus-bicarbonate barrier in
 stress erosive gastritis, July,
 471-472
 operations, antibiotic prophylaxis
 in, Dec., 895-896
 outlet obstruction due to peptic
 ulcer, management, Apr.,
 308-309
 permeability barrier in stress ero-
 sive gastritis, July, 467-468
 pH (see pH, gastric)
 resection, distal, for peptic ulcer,
 Apr., 276-280
 complications, Apr., 279-280
 development, Apr., 276-277
 diagram, Apr., 278

Gastric (*cont.*)

resection, distal, for peptic ulcer
(*cont.*)

results, Apr., 277-279

resection, total, for bleeding from
stress gastritis, July, 501

resection without vagotomy (*see*
resection, distal above)

ulcer (*see* Ulcer, gastric)

Gastrinoma patients: peptic ulcer
in, Apr., 316-318

Gastritis, stress erosive, July, 459-
509

(*See also* Ulcer, stress)

aggressive factors in, July, 466-
467

interaction between defensive
factors and, July, 473-474

bile reflux in, July, 466-467

bleeding from (*see* Bleeding, gas-
tritis causing, stress erosive)

clinical setting, July, 461-464

defensive factors in, July, 467-
473

interaction between aggressive
factors and, July, 473-474

definition, July, 460-461

epithelial renewal in, July, 472

gastric permeability barrier in,
July, 467-468

luminal acid in, July, 466

mucosal blood barrier in, July,
468-471

mucus-bicarbonate barrier in,
July, 471-472

pathophysiology, July, 464-474
schematic of, July, 465

prostaglandins in, endogenous,
July, 472-473

risk factors, July, 462

Gastroduodenal operations: antibi-
otic prophylaxis in, Dec.,
895-896

Gastroenterostomy: for peptic ulcer,
Apr., 274-275

Gastrointestinal toxicity: of antibiot-
ics, Dec., 824

Genital skin biopsy: in male
pseudohermaphroditism,
Aug., 533

Gentamicin, Dec., 881-884

adverse reactions, Dec., 884

antibacterial spectrum, Dec., 882-
883, 884

features, Dec., 883

pharmacokinetics, Dec., 882

Germ cell tumors: in intersex pa-
tients, Aug., 575

Giant cell arteritis, Mar., 212-213

Giant prosthetic reinforcement: of
visceral sac for groin hernias,
June, 427-428

Glucocorticoid excess

(*See also* Cushing's syndrome,
adrenal adenoma causing)

diagnosis, Oct., 667-668

physiology, Oct., 665-667

signs and symptoms, Oct., 666

Glycosaminoglycans, May, 348

Gonad

biopsy in intersex abnormalities,
Aug., 533

dysgenesis

(*See also* Intersex abnormali-
ties)

mixed, Aug., 542-543

syndromes, Aug., 542-543

retained abnormal, in intersex
patient, management of,
Aug., 574-575

Gonadoblastoma: in intersex pa-
tients, Aug., 575

Gonadotropin

chorionic

human, stimulation test for tes-
ticular function in intersex
abnormalities, Aug., 532

lutropin-chorionic gonadotro-
pin receptor in plasma mem-
brane, model for, Aug., 525

-releasing hormone therapy for
hypogonadism during pu-
berty, Aug., 545-546

Graft

bladder graft neourethra in hy-
pospadias repair, Aug., 566
diverticulum in, Aug., 567

Dacron, in left ventricular bullet
wound repair, Nov., 758
vein, PTFE, May, 373

Gram-negative penicillins, Dec., 841-845
 Grasping forceps: in laparoscopic cholecystectomy, Sept., 599
 Groin hernia (see Hernia, groin)
 Gum: nicotine chewing, effect on smoking cessation, Jan., 47
 Gunshot wound
 (See also Bullet, wounds)
 of iliac vein, Nov., 766

H

H₂ (see Histamine₂)
 Halothane: in pheochromocytoma surgery, Oct., 709
 hCG stimulation test: for testicular function in intersex abnormalities, Aug., 532
 Heart
 bullets in
 sites and management, Nov., 763
 x-rays, Nov., 766
 contusion, Nov., 767-770
 photomicrographs of, Nov., 768
 missiles in, Nov., 764-767
 sites and management of, Nov., 765
 treatment, Nov., 765
 treatment, results, Nov., 767
 x-rays of, Nov., 766
 morbidity after carotid endarterectomy, Mar., 246-247
 pellets in, sites and management, Nov., 764
 rupture, traumatic, Nov., 770-771
 primary repair, Nov., 771
 shrapnel in, sites and management, Nov., 764
 trauma, Nov., 750-771
 (See also Cardiothoracic trauma; Heart, wounds)
 blunt, Nov., 767-771
 penetrating (see below)
 rupture due to, Nov., 770-771
 rupture due to, primary repair, Nov., 771
 trauma, penetrating, Nov., 750-761
 deaths from, Nov., 751

hemodynamic findings after, Nov., 754
 hemodynamic status after, Nov., 759
 initial clinical presentation, Nov., 759
 pericardiocentesis after, Nov., 755
 repair, various maneuvers for, Nov., 757
 sequelae from, concomitant or delayed, Nov., 761-764
 therapy in, ECG findings after, Nov., 762
 therapy in, initial, response to, Nov., 755
 in hypotensive patients, Nov., 760
 in normotensive patients, Nov., 761
 in patients with unobtainable blood pressure, Nov., 760
 therapy in, results, Nov., 761
 thoracotomy after, Nov., 756
 wounds
 (See also trauma above)
 sites of, Nov., 752
 stab, Nov., 753
 Hematocrit: effect of phenoxybenzamine in pheochromocytoma on, Oct., 707
 Hematologic reactions: to antibiotics, Dec., 822-823
 Hemigastrectomy: for bleeding from stress gastritis, July, 501
 Hemodynamic
 findings after penetrating cardiac wounds, Nov., 754
 status after penetrating cardiac wounds, Nov., 759
 Hemodynamics: of venous system, May, 340-342
 Hemolytic anemia: due to antibiotics, Dec., 823
 Hemorrhage (see Bleeding)
 Hemorrhologic drugs: in chronic lower-extremity ischemia, Jan., 53-54
 Hemothorax, traumatic, Nov., 788-790

Hemothorax, traumatic (*cont.*)

x-rays, Nov., 773, 789

Heparin in deep venous thrombosis

lower extremity, May, 352-354

upper extremity, May, 387, 388

Hepatic

dysfunction, and gastric pH after
famotidine or cimetidine,
July, 488

toxicity of antibiotics, Dec., 823

Heredity: and varicose veins, May,
375

Hermaphroditism, true, Aug., 543-
544

(*See also* Intersex abnormalities)

Hernia

femoral

(*See also* Hernia, groin)

biology, June, 416-417

iliopubic tract repair, posterior,
June, 435-436

repair, recurrence rates after,
June, 441

groin

(*See also* Hernia, femoral; Her-
nia, inguinal)

Bassini repair, June, 419-421

biology, June, 413-417

classification of, June, 417-419

classification of, individualized
approach, June, 417-419

classification of, new, June, 417

classification of, old, June, 417

Cooper ligament repair, June,
421-423

iliopubic tract repair (*see* Ilio-
pubic tract, repair of hernias)

operations, June, 419-436

recurrent (*see below*)

repair, individualization to type
of hernia, June, 436-440

Shouldice repair, June, 424-
427

surgery, future of, June, 446

tension-free hernioplasty for,
June, 427

type I, June, 418

type I, repair, June, 437-438

type II, June, 418

type II, repair, June, 437-438

type III, June, 418-419

type III, repair, June, 439-440

type IV, June, 419

type IV, repair, June, 439-440

visceral sac reinforcement for,
giant prosthetic, June, 427-
428

groin, recurrent, June, 440-446

cause of, June, 440-442

mesh for, polypropylene, at-
tached to Cooper ligament,
June, 444

mesh for, prosthetic, inlay,
June, 445

mesh for, prosthetic, onlay,
June, 443

missed hernias causing, June,
440

after repair under tension,
June, 442

treatment, June, 442-446

treatment, results, June, 446
treatment, technique, June,
443-445

inguinal, June, 407-450

(*See also* Hernia, groin)

anatomic considerations, June,
407-413

biology, June, 413-414

direct, definition, June, 408

direct, iliopubic tract repair,

posterior, June, 433-434

iliopubic tract repair, posterior,
results, June, 434-435

indirect, definition, June, 408

indirect, iliopubic tract repair,
posterior, June, 430-431, 433

indirect, recurrence due to fail-
ure to close internal ring,
June, 440, 442

repair, recurrence rates after,
June, 441

Hernioplasty: tension-free, June,
427

Hip replacement, total, deep vein
thrombosis after, May, 349
prophylaxis, May, 351

Histamine₂ receptor antagonists
for bleeding from stress gastritis,
July, 498

- pharmacodynamics in gastri-
noma patients, Apr., 318
- in stress ulcer prophylaxis, July,
478-490
- comparison of, July, 494
- criteria for treatment efficacy,
July, 478-480
- History
 - of amputation for ischemia, Feb.,
140-142
 - of carotid endarterectomy, Mar.,
188-189
 - in cerebrovascular disease, Mar.,
223-225
 - of infrainguinal bypass, Feb., 125-
126
 - in intersex abnormalities, Aug., 528
 - in ischemia, chronic lower-
extremity, Jan., 29-31
- Hollenhorst plaque: retinal photo-
graph of, Mar., 216
- Hormone
 - excess in adrenocortical carci-
noma, drugs for, Oct., 694
 - gonadotropin-releasing, therapy
for hypogonadism during
puberty, Aug., 545-546
- Host defenses: effects of antibiotics
on, Dec., 824
- Hyperaldosteronism
 - idiopathic, differentiated from
aldosterone-producing ade-
noma, Oct., 673
 - primary
 - (See also Adenoma,
aldosterone-producing)
 - diagnosis, Oct., 671-674
 - etiology, Oct., 671
 - physiology, Oct., 670-671
 - prognosis, Oct., 676-677
 - suspected, evaluation of pa-
tients with, Oct., 672
 - treatment, Oct., 675-676
 - secondary, physiology, Oct., 670
 - signs and symptoms, Oct., 671
- Hypercoagulable states: causing su-
perficial or deep vein throm-
bosis, May, 382
- Hyperemia: reactive, in lower ex-
tremity angiography, Jan., 65
- Hyponatremia: due to antibiotics,
Dec., 823
- Hyperplasia, adrenal (see Adrenal,
hyperplasia)
- Hypersensitivity reaction: to antibi-
otics, Dec., 821-822
- Hypertension
 - essential, poor control causing
complications after carotid
endarterectomy, Mar., 244
 - persistent, after pheochromocy-
toma surgery, Oct., 713
 - pheochromocytoma and, Oct.,
699-700
- Hypogonadal patients: therapy dur-
ing puberty, Aug., 545-546
- Hypokalemia: due to antibiotics,
Dec., 823
- Hypospadias in intersex patients
 - penoscrotal, cystostomy and per-
ineal urethrostomy for, Aug.,
560
 - perineal, cystostomy and perineal
urethrostomy for, Aug., 561
- repair
 - bladder drainage for, Aug., 558
 - bladder graft neourethra in,
Aug., 566
 - bladder graft neourethra in,
diverticulum in, Aug., 567
 - first-stage, Aug., 559-563
 - perineoscrotal staged, Aug.,
558-571
 - second-stage, Aug., 563-568
 - third-stage, Aug., 568-571
- Hypotensive patients: response to
initial therapy for penetrating
cardiac trauma, Nov., 760
- Hypovolemia: unsuspected preoper-
ative, and complications after
carotid endarterectomy, Mar.,
244

I

- Iliac
 - (See also Aortoiliac)
 - arteries, percutaneous translumi-
nal angioplasty of, Feb., 104-
107

Iliac (*cont.*)

- arteries, percutaneous transluminal angioplasty of, (*cont.*)
- complications, Feb., 109
- vein, gunshot wound of, Nov., 766
- Iliopectineal ligament, June, 410
- Iliopubic tract, June, 410-411, 412
- repair of hernias, anterior approach, June, 423-424
- repair of hernias, posterior approach, June, 428-436
- femoral hernia, June, 435-436
- general approach to preperitoneal space, June, 430, 431, 432
- inguinal hernia, direct, June, 433-434
- inguinal hernia, indirect, June, 430-431, 433
- inguinal hernia, results, June, 434-435

Ilium: right, CT of pheochromocytoma metastatic to, Oct., 715

Imaging

- magnetic resonance (*see* Magnetic resonance imaging)
- of pheochromocytoma, Oct., 705
- vessel, in cerebrovascular disease, Mar., 225-227
- invasive, Mar., 227
- noninvasive, Mar., 225-227

Imidazoles, Dec., 875-877

- Imipenem-cilastatin, Dec., 860-863
- adverse reactions, Dec., 862-863
- antibacterial spectrum, Dec., 861-862, 863, 864
- features, Dec., 862
- pharmacokinetics, Dec., 861, 863

Impedance plethysmography: in chronic venous insufficiency, May, 365

Incision

- in adrenocortical carcinoma surgery, Oct., 686-687
- in carotid endarterectomy, Mar., 233-234

Indobufen: in chronic lower-extremity ischemia, Jan., 52

Infant

- microphallus in, early androgen treatment of, Aug., 544-545

raised as female (*see* Intersex abnormalities, infants raised as females)

raised as male (*see* Intersex abnormalities, infants raised as males)

Infarction: cerebral, CT of, Mar., 229

Infection

- after amputation of lower limb for ischemia, Feb., 163
- infrainguinal bypass graft, Feb., 135
- rates, procedure-specific, Dec., 889-890

Infrainguinal

- bypass (*see* Bypass, infrainguinal)
- endarterectomy, Feb., 136
- reconstructive surgery for chronic lower-extremity ischemia, Feb., 125-139

Infrapopliteal percutaneous transluminal angioplasty, Feb., 110-111

Inguinal

- canal structures, physiology, June, 414-416
- floor, palpation of, June, 438
- hernia (*see* Hernia, inguinal)
- region
- dissection, by Bassini, June, 420
- laminar structure of, June, 407-409

Injuries (*see* Trauma)

Innominate artery rupture: traumatic, Nov., 777

Instruments (*see* Laparoscopy, instruments)

Interfoveolar ligament, June, 412-413

Intermittent claudication (*see* Claudication, intermittent)

Intersex abnormalities, Aug., 519-579

- conclusions, Aug., 575-576
- diagnostic algorithm in, Aug., 526
- embryonic development and, Aug., 520-526

evaluation in

- diagnostic, Aug., 528-533
- initial, Aug., 526-533

- laboratory, Aug., 529-531
 radiologic, Aug., 531-533
 surgical, Aug., 531-533
 future developments, Aug., 575-576
- hCG stimulation test for testicular function in, Aug., 532
 history in, Aug., 528
 infants raised as females
 clitoral recession in, Aug., 547-551
 labioscrotal reduction in, Aug., 547-551
 perineal reconstructions in, Aug., 546-557
 perineal reconstructions in, cystoscopy before, Aug., 547
 vaginoplasty in, buttock flap, with high vaginal pull-through, Aug., 554-557
 vaginoplasty in, low, Aug., 551-554
- infants raised as males
 hypospadias repair in (see Hypospadias in intersex patients, repair)
 Müllerian ducts retained in, management of, Aug., 571-573
 neoseminal vesicle creation in, Aug., 571-573
 perineal reconstructions in, Aug., 557-574
 retained abnormal gonad in, management, Aug., 574-575
 undescended testis management in, Aug., 573-574
 management, Aug., 519-579
 medical, Aug., 544-546
 surgical, Aug., 546-575
 physical examination in, Aug., 528-529
 testis-determining factor and, Aug., 521
 types of, Aug., 533-544
 table of, Aug., 520
- Intrahepatic gallbladder: in laparoscopic cholecystectomy, Sept., 624
- Intraperitoneal bleeding: after gunshot wound, Nov., 766
- Intravascular stents: in chronic lower-extremity ischemia, Feb., 119-120
- Iodine-labeled metaiodobenzylguanidine scan of pheochromocytoma of organ of Zuckerkandl, Oct., 704
- recurrent, Oct., 718
- Ischemia
 cerebral
 events, clinical patterns, Mar., 220-223
 pathophysiology, Mar., 214-219
 gastritis and, stress erosive, July, 468-470
 lower-extremity, chronic, Jan., 11-92; Feb., 103-179
 age and, Jan., 14, 17
 amputation for (see Amputation for ischemia)
 angiography in (see Angiography, in ischemia, chronic lower-extremity)
 angioplasty in, laser, Feb., 113-115
 angioplasty in, percutaneous transluminal (see Angioplasty, percutaneous transluminal)
 ankle-brachial systolic pressure index in, Jan., 35-36
 atherectomy catheters in, Feb., 115-118
 diagnosis, Jan., 29-43
 digital measurements in, Jan., 33-34
 Doppler analog waveform analysis in, Jan., 39-40
 Doppler ultrasound techniques in, Jan., 34-35
 drugs in, Jan., 49-54
 drugs in, antiplatelet, Jan., 51-52
 drugs in, hemorrheologic, Jan., 53-54
 drugs in, metabolic enhancing, Jan., 54
 duplex scanning in, Jan., 40-42

Ischemia (*cont.*)

lower-extremity, chronic (*cont.*)

endarterectomy in, infrainguinal, Feb., 136

endovascular procedures for (*see* Endovascular procedures for chronic lower-extremity ischemia)

epidemiology, Jan., 13-28

epidemiology, table relating to, Jan., 15-16

exercise in, Jan., 48-49

exercise testing in, Jan., 38-39
forefoot disarticulation in, technique, Feb., 158

history, Jan., 29-31

incidence, Jan., 13-17

infrainguinal bypass for (*see* Bypass, infrainguinal, in chronic lower-extremity ischemia)

infrainguinal reconstructive surgery for, Feb., 125-139

introduction, Jan., 11-12

laboratory evaluation, Jan., 31-43

mortality of, Jan., 25-27

natural history, Jan., 13-28

nonoperative treatment, Jan., 44-55

nonoperative treatment, overview of, Jan., 55

nonoperative treatment, selection of, Jan., 44-45

nonoperative treatment, types of, Jan., 45-54

pentoxifylline in, Jan., 54

pharmacologic treatment (*see* drugs in *above*)

physical examination in, Jan., 29-31

plethysmography in, Jan., 31-32

prevalence, Jan., 13-17

prevalence according to age, Jan., 17, 20

pulse volume recordings in, Jan., 32-33

risk factors, Jan., 17-21

segmental limb pressures in, Jan., 36-37

smoking cessation in, Jan., 45-47

stents in, intravascular, Feb., 119-120

survival and, Jan., 26

vasodilators in, Jan., 50-51

volume flow measurements in, Jan., 32

Ischemic

attacks, transient (*see* TIAs)
neurologic deficits, resolving, Mar., 219-220

Isoflurane: in pheochromocytoma surgery, Oct., 709

Isoproterenol: effect on stress erosive gastritis, July, 468

K

Kanamycin, Dec., 885

Kefzol (*see* Cefazolin)

Kelling-Madlener procedure: for gastric ulcer, Apr., 305

Ketoconazole: in adrenocortical carcinoma, Oct., 693-694

Kidney

dysfunction, and gastric pH after famotidine or cimetidine, July, 488

entrapment in laparoscopic nephrectomy, nylon sac for, Sept., 649

failure due to antibiotics, Dec., 823

involvement in adrenocortical carcinoma

CT of, Oct., 680

MRI of, Oct., 682

right, normal, differentiated from right adrenal tumor by arteriography, Oct., 686

veins in adrenocortical carcinoma, MRI of, Oct., 684

Kinetics, drug (*see* Pharmacokinetics)

Kinks: carotid, Mar., 204-205

L

Labioscrotal reduction: in infants raised as females, Aug., 547-551

- Laboratory**
 evaluation
 in intersex abnormalities, Aug., 529-531
 in pheochromocytoma, Oct., 700-701
 peripheral vascular, in chronic lower-extremity ischemia, Jan., 31-43
- β -Lactamase inhibitor combination**
 (see Ampicillin, -sulbactam)
- Laminar structure:** of inguinal region, June, 407-409
- Laparoscopy**
 appendectomy, Sept., 648
 during pregnancy, Sept., 593
 cholecystectomy (see Cholecystectomy, laparoscopic)
 nephrectomy (see Nephrectomy, laparoscopic)
 procedures
 currently accepted, Sept., 647-648
 investigational, Sept., 648-651
 surgery, future horizons in, Sept., 647-651
 trocar-sheath assemblies, Sept., 597
- Laparoscopy**
 discussion of term, Sept., 587
 instruments
 basic, Sept., 595-598
 for cholecystectomy, Sept., 598-607
- Laser**
 angioplasty in chronic lower-extremity ischemia, Feb., 113-115
 AIS Excimer, photograph of, Feb., 115
 Doppler velocimetry for determination of lower limb amputation level, Feb., 151-152
 vs. electrocautery for laparoscopic cholecystectomy, Sept., 628-632
 photocoagulation for bleeding from stress gastritis, July, 498-499
- Latarjet:** preserved anterior nerve of, in parietal cell vagotomy, Apr., 296
- Lavage:** saline, for bleeding from stress gastritis, July, 497
- Leg** (see Extremity, lower)
- Ligament**
 Cooper (see Cooper ligament)
 iliopsoas, June, 410
 interfoveolar, June, 412-413
- Ligature:** laparoscopic, Sept., 603
- Limb**
 (See also Extremity)
 pressures, segmental, in chronic lower-extremity ischemia, Jan., 36-37
 salvage
 after femoropopliteal percutaneous transluminal angioplasty, Feb., 108
 after infrainguinal bypass, Feb., 131-134
- Lincomycin,** Dec., 879
- Lincosamines,** Dec., 877-880
- Lisfranc's amputation:** for ischemia, technique, Feb., 158
- Liver** (see Hepatic)
- Luminal acid:** in stress erosive gastritis, July, 466
- Lung** (see Pulmonary)
- Lupus erythematosus:** systemic, carotid artery in, Mar., 213-214
- Lutropin-chorionic gonadotropin receptor:** in plasma membrane, model for, Aug., 525
- Lytic therapy** (see Thrombolytic therapy)

M

- Macrolides,** Dec., 872-875
- Magnetic resonance imaging**
 of adenoma, aldosterone-producing, Oct., 674
 of adrenal masses, incidental, Oct., 722
 of adrenocortical carcinoma, Oct., 681, 682, 683
 in cerebrovascular disease, Mar., 228-229

- Magnetic resonance imaging (*cont.*)
 of pheochromocytoma, Oct., 705-706
 in thrombosis, upper extremity deep venous, May, 387
- Marcy plastic closure: of internal abdominal ring, June, 439
- May-Thurner syndrome, May, 359
- Mediastinal shadow: on chest x-ray after aortic rupture, Nov., 773
- Mefoxin (*see* Cefoxitin)
- Mesh in hernia repair (*see* Hernia, groin, recurrent, mesh for)
- Metabolic
 enhancing drugs in chronic lower-extremity ischemia, Jan., 54
 requirements of cerebral circulation, Mar., 197-198
- Metaiodobenzylguanidine scan, iodine-labeled, of pheochromocytoma of organ of Zuckerkandl, Oct., 704
 recurrent, Oct., 718
- Metastases
 adrenal, Oct., 725-732
 Addison's disease and, Oct., 730-731
 detection, Oct., 726-728
 diagnosis, Oct., 729-730
 incidence, Oct., 725-726
 treatment, Oct., 731-732
 adrenocortical carcinoma, non-surgical treatment, Oct., 689-695
 of carotid body tumors, Mar., 210
- Metastatic emphysema: and inguinal hernia, June, 414
- Methicillin, Dec., 834-836
 adverse reactions, Dec., 835
 antibacterial spectrum, Dec., 835, 836
 pharmacokinetics, Dec., 835
- Metronidazole, Dec., 875-877
 adverse reactions, Dec., 877
 antibacterial spectrum, Dec., 876, 877
 features, Dec., 876-877
 pharmacokinetics, Dec., 876
- Metyrapone: in adrenocortical carcinoma, Oct., 694-695
- Metirosine in pheochromocytoma, Oct., 707
 malignant, Oct., 715
- Mezlin (*see* Mezlocillin)
- Mezlocillin, Dec., 841-843
 adverse reactions, Dec., 843
 antibacterial spectrum, Dec., 842-843, 844
 features, Dec., 843
 pharmacokinetics, Dec., 842
- MIBG scintigraphy of pheochromocytoma of organ of Zuckerkandl, Oct., 704
 recurrent, Oct., 718
- Microbiology: and antibiotics, Dec., 818-821
- Microphallus: androgen treatment in early infancy, Aug., 544-545
- Minocycline, Dec., 869
- Misoprostol: in stress ulcer prophylaxis, July, 489
- Missiles, cardiac (*see* Heart, missiles in)
- Mitotane: in adrenocortical carcinoma, Oct., 690
- Model
 of drug kinetics, open two-compartment, Dec., 812
 for lutropin-chorionic gonadotropin receptor in plasma membrane, Aug., 525
- Mondor's disease, May, 383-384
- Monitoring
 blood pressure, in pheochromocytoma surgery, Oct., 709
 carotid backpressure, technique, Mar., 234
 cerebral blood flow, in carotid endarterectomy, Mar., 234-235
 ECG, in pheochromocytoma surgery, Oct., 709
 EEG, during carotid endarterectomy, Mar., 236
 postoperative, after carotid endarterectomy, Mar., 239-240
- Monobactams, Dec., 858-860

Morbidity

- of amputation for lower limb ischemia, Feb., 162-163
- cardiac, after carotid endarterectomy, Mar., 246-247

Morcellator: prototype automatic electrical tissue, Sept., 650

Mortality

- of amputation for lower limb ischemia, Feb., 162-163
- of cardiac trauma, penetrating, Nov., 751
- of claudication, intermittent, causes of, Jan., 28
- of ischemia, chronic lower-extremity, Jan., 25-27

Moxalactam, Dec., 854

- structure-function relationships, Dec., 822

MRI (see Magnetic resonance imaging)

Mucosa, gastric (see Gastric, mucosa)

Mucus-bicarbonate barrier: in stress erosive gastritis, July, 471-472

Müllerian

- duct syndrome, retained, Aug., 536-537
- surgical management, Aug., 571-573
- inhibiting substance, normal serum levels of, Aug., 531

Muscle pump: calf, May, 345-346

N

Nafcillin, Dec., 836

Naftidrofuryl: in chronic lower-extremity ischemia, Jan., 54

Neck: lower, bullet wound of, Nov., 783

Needle

- fine-needle aspiration biopsy of adrenal cyst, Oct., 721-722
- holders in laparoscopic cholecystectomy, Sept., 602
- for pericardiocentesis, Nov., 755
- Veress, for establishing pneumoperitoneum, Sept., 596

Neomycin, Dec., 885

Neoplasm (see Tumor)

Neoseminal vesicle creation: in intersex patients, Aug., 571-573

Neourethra, bladder graft, in hypospadias repair, Aug., 566

diverticulum in, Aug., 567

Nephrectomy, laparoscopic, Sept., 649-650

morcellator for, Sept., 650

nylon sac for kidney entrapment in, Sept., 649

Nephritis: interstitial, due to antibiotics, Dec., 823

Nerve

cranial, injuries during carotid endarterectomy, Mar., 244-245

of Latarjet, preserved anterior, in parietal cell vagotomy, Apr., 296

Nervous system, central (see Central nervous system)

Netilmycin, Dec., 885

Neuroectodermal dysplasias: and pheochromocytoma, Oct., 698

Neuroendocrine response: abnormal, and complications after carotid endarterectomy, Mar., 244

Neurologic deficits: resolving ischemic, Mar., 219-220

Neuropeptide Y expression: in malignant pheochromocytoma, Oct., 713

Neutropenia: due to antibiotics, Dec., 822

Newborn

adrenogenital syndrome in (see Adrenal, hyperplasia, congenital)

intersex abnormalities in (see Intersex abnormalities)

penile size in, Aug., 527

Nicotine chewing gum: effect on smoking cessation, Jan., 47

Nitroprusside: in pheochromocytoma, Oct., 709-710

Norfloxacin, Dec., 870

- Nosocomial pneumonia: and sucralbate prophylaxis for stress ulcers, July, 490
- Nutrition: parenteral, and upper extremity deep venous thrombosis, May, 388
- Nylon sac: for kidney entrapment in laparoscopic nephrectomy, Sept., 649

O

- Oculoplethysmography: in cerebrovascular disease, Mar., 225-226
- Ofloxacin, Dec., 870
- Omental patch closure: of perforated duodenal ulcer, Apr., 311
- Omeprazole: for ulcers in gastrinoma patients, Apr., 318
- o,p'-DDD in adrenocortical carcinoma, Oct., 690-692
- adjuvant, Oct., 695
- Operating room organization: for laparoscopic cholecystectomy, Sept., 607
- Oral contraceptives: and upper extremity deep venous thrombosis, May, 388
- Organ of Zuckerkandl (*see* Pheochromocytoma, of organ of Zuckerkandl)
- Ortho-para-DDD in adrenocortical carcinoma, Oct., 690-692
- adjuvant, Oct., 695
- Oxacillin, Dec., 836
- Oxytetracycline, Dec., 869

P

- Pacemakers: transvenous, causing upper extremity deep venous thrombosis, May, 384-385
- PaCO₂ levels: variation in, cerebral blood flow response to, Mar., 200
- Paget-Schroetter syndrome, May, 388-389
- Pain: leg, differential diagnosis, Jan., 30
- Palmaz stent, Feb., 120
- Pancreatitis: after distal gastric resection, Apr., 279-280
- Papaverine: in angiography of lower extremity, Jan., 64
- Paraganglioma, Oct., 716-720
- carotid body, Mar., 210
- CT of, Oct., 719
- definition, Oct., 697
- diagnosis, Oct., 718
- incidence, Oct., 716, 718
- presentation, Oct., 718
- prognosis, Oct., 719-720
- treatment, Oct., 719
- Parenteral nutrition: and upper extremity deep venous thrombosis, May, 388
- Parietal cell vagotomy (*see* Vagotomy, parietal cell)
- Pathogens
- found at various body sites, Dec., 818
- primary, Dec., 818
- secondary, Dec., 818-819
- Pefloxacin, Dec., 870
- Pellets: cardiac, site and management of, Nov., 764
- Penicillin(s), Dec., 825, 829-845
- action
- mechanism of, Dec., 829-831
- spectrum of, Dec., 831-832
- enterococcal, Dec., 836-838
- G benzathine, Dec., 834
- G potassium, Dec., 832-834
- adverse reactions, Dec., 833
- antibacterial spectrum, Dec., 832-833, 834
- features, Dec., 833
- pharmacokinetics, Dec., 832, 833
- G procaine, Dec., 834
- general information, Dec., 825
- gram-negative, Dec., 841-845
- pharmacokinetic properties, Dec., 817
- pseudomonas, Dec., 838-841
- resistance to, Dec., 832
- staphylococcal, Dec., 834-836
- streptococcal, Dec., 832-834

- structure, Dec., 829
- function relationships, Dec., 825, 829
- synergism with aminoglycosides, Dec., 831-832
- V, Dec., 834
- Penis
 - blood supply, Aug., 548
 - size, in newborn, Aug., 527
- Penoscrotal hypospadias: cystostomy and perineal urethrostomy for, Aug., 560
- Pentoxifylline: in chronic lower-extremity ischemia, Jan., 53-54
- Percutaneous transluminal angioplasty (see Angioplasty, percutaneous transluminal)
- Perforated ulcers
 - duodenal (see Ulcer, duodenal, perforated)
 - gastric, selection of operation for, Apr., 314-315
 - peptic, selection of operation for, Apr., 309-316
 - stomal, selection of operation for, Apr., 315-316
- Perfusion
 - cerebral (see Cerebral, perfusion)
 - skin, pressure, for determination of lower limb amputation level, Feb., 152-153
- Periarteritis nodosa: carotid artery in, Mar., 213
- Pericardiocentesis: after penetrating cardiac trauma, Nov., 754-755
- Pericarditis: after penetrating cardiac trauma, Nov., 763-764
- Pericardium valve prosthesis: monocusp bovine, May, 371
- Perineal
 - hypospadias, cystostomy and perineal urethrostomy for, Aug., 561
 - reconstructions
 - in infants raised as females, Aug., 546-557
 - in infants raised as females, cystoscopy before, Aug., 547
 - in infants raised as males, Aug., 557-574
 - urethrostomy (see Urethrostomy, perineal)
- Perineoscrotal staged hypospadias repair: in intersex patients, Aug., 558-571
- PET (see Tomography, positron emission)
- pH, gastric
 - after cimetidine, July, 481, 487
 - IV bolus vs. continuous infusion, July, 483
 - in patients with renal and/or hepatic dysfunction, July, 488
 - after famotidine, July, 487
 - IV or oral, July, 487
 - in patients with renal and/or hepatic dysfunction, July, 488
 - in stress ulcer management, July, 476
- Pharmacodynamics: of H₂ receptor antagonists in gastrinoma patients, Apr., 318
- Pharmacokinetics
 - amphotericin, Dec., 886
 - ampicillin, Dec., 837
 - ampicillin-sulbactam, Dec., 844
 - antibiotics, Dec., 811-818
 - aztreonam, Dec., 859, 861
 - cefazolin, Dec., 849, 850
 - cefotaxime, Dec., 856, 858
 - cefoxitin, Dec., 852-853
 - ceftazidime, Dec., 854-855
 - cephalosporins, Dec., 817
 - chloramphenicol, Dec., 880-881
 - cimetidine, July, 485
 - ciprofloxacin, Dec., 869, 870
 - clindamycin, Dec., 878
 - doxycycline, Dec., 868
 - erythromycin, Dec., 873
 - gentamicin, Dec., 882
 - imipenem-cilastatin, Dec., 861, 863
 - methicillin, Dec., 835
 - metronidazole, Dec., 876
 - mezlocillin, Dec., 842
 - model of, open two-compartment, Dec., 812

Pharmacokinetics (cont.)

penicillin, Dec., 817

G potassium, Dec., 832, 833

piperacillin, Dec., 839

ranitidine, July, 485

sulfamethoxazole-trimethoprim,
Dec., 866

vancomycin, Dec., 871, 873

**Pharmacologic treatment (see
Drugs)**

**Phenoxybenzamine in pheochro-
mocytoma, Oct., 706-707**

malignant, Oct., 715

during pregnancy, Oct., 712

preoperative, Oct., 706

**Phentolamine: during pheochromo-
cytoma surgery, Oct., 709**

Pheochromocytoma, Oct., 698-716
of abdomen, upper quadrant, CT
of, Oct., 717

bilateral, Oct., 712

clinical presentation, Oct., 699-
700

CT of, Oct., 702, 703

definition, Oct., 697

diagnosis, Oct., 700

etiology, Oct., 699

extra-adrenal, Oct., 716

familial, Oct., 698-699

follow-up, Oct., 713

imaging techniques, Oct., 705

incidence, Oct., 699

laboratory evaluation in, Oct.,
700-701

localization, Oct., 701-706

malignant, Oct., 713-716

CT of, Oct., 714, 715

diagnosis, Oct., 713-715

follow-up, Oct., 715-716

prognosis, Oct., 715-716

treatment, Oct., 715

management

anesthetic, Oct., 708-710

preoperative, Oct., 706-708

of organ of Zuckerkandl

CT of, Oct., 717

recurrence of, Oct., 718

scintigraphy of, MIBG, Oct.,
704

pathologic specimen, Oct., 711

during pregnancy, Oct., 712

prognosis, Oct., 713

resection, intraoperative photo-
graph of, Oct., 711

sporadic, Oct., 698-699

treatment, Oct., 710-711

volume repletion in, Oct., 708

**Phlebography: descending, for grad-
ing of valvular reflux, May,
362**

**Phleborheography: in upper ex-
tremity deep venous throm-
bosis, May, 386**

Phlegmasia cerulea dolens, May, 355

**Photocoagulation: laser, for bleed-
ing from stress gastritis, July,
498-499**

**Photograph: retinal, of Hollenhorst
plaque, Mar., 216**

**Photomicrographs: of cardiac con-
tusion, Nov., 768**

**Photoplethysmography: in varicose
veins, May, 377, 378**

Physical examination

in cerebrovascular disease, Mar.,
223-225

in intersex abnormalities, Aug.,
528-529

in ischemia, chronic lower-
extremity, Jan., 29-31

Piperacillin, Dec., 838-840

adverse reactions, Dec., 840

antibacterial spectrum, Dec., 839-
840, 841

features, Dec., 840

pharmacokinetics, Dec., 839

Pipracil (see Piperacillin)

**Plaque: Hollenhorst, retinal photo-
graph of, Mar., 216**

**Plasminogen activators: effect of
radiation-induced carotid
artery injuries on, Mar., 211**

**Plastic closure: Marcy, of internal
abdominal ring, June, 439**

Plethysmography
air

in ischemia, chronic lower-
extremity, Jan., 32-33

in venous insufficiency,
chronic, May, 374

- impedance, in chronic venous insufficiency, May, 365
- in ischemia, chronic lower-extremity, Jan., 31-32
- strain gauge, in chronic venous insufficiency, May, 374
- Pneumatic calf compression: intermittent, after venous reconstruction, May, 373
- Pneumonia: nosocomial, and sucalfate prophylaxis for stress ulcers, July, 490
- Pneumoperitoneum creation in laparoscopic cholecystectomy, Sept., 608-611
 - Veress needle for, Sept., 596
- Pneumothorax, Nov., 790-792
 - open, Nov., 785-786
 - simple, Nov., 790
 - tension, Nov., 791-792
- Po₂: transcutaneous, for amputation level determination, Feb., 149-150
- Polypropylene mesh: attached to Cooper ligament for recurrent hernia, June, 444
- Polytetrafluoroethylene infrainguinal bypass, Feb., 138
 - patency, Feb., 135
 - vein graft, May, 373
- Popliteal artery
 - (See also Femoropopliteal)
 - aneurysm, arteriographic findings, Jan., 78
 - degeneration, cystic adventitial, Jan., 77
 - entrapment syndrome, arteriographic findings in, Jan., 74, 76-77, 80
- Positron emission tomography (see Tomography, positron emission)
- Postoperative
 - care after laparoscopic cholecystectomy, Sept., 628
 - complications of carotid endarterectomy, Mar., 242-248
 - management after infrainguinal bypass, Feb., 131
 - monitoring after carotid endarterectomy, Mar., 239-240
- Postural stimulation test: in primary hyperaldosteronism, Oct., 672-673
- Praxilene: in chronic lower-extremity ischemia, Jan., 54
- Prednisone: causing gastritis, July, 463
- Pregnancy
 - appendectomy during, laparoscopic, Sept., 593
 - cholecystectomy during, laparoscopic, Sept., 593
 - pheochromocytoma during, Oct., 712
 - varicose veins and, May, 374
- Prenatal treatment: of congenital adrenal hyperplasia, Aug., 541-542
- Preoperative care: in laparoscopic cholecystectomy, Sept., 607-608
- Prepenile scrotal repair: for hypospadias in intersex patients, Aug., 568-571
- Preperitoneal approach to groin hernias (see Iliopubic tract, repair of hernias, posterior)
- Primaxin (see Imipenem-cilastatin)
- Probe: insulated, for electrocautery in laparoscopic cholecystectomy, Sept., 604
- Profundaplasty: in chronic lower-extremity ischemia, Feb., 136
- Propranolol in pheochromocytoma, Oct., 708
 - malignant, Oct., 715
- Prostacyclin
 - activators, effect of radiation-induced injuries to carotid artery on, Mar., 211
 - in endothelial cells, May, 347-348
 - in ischemia, chronic lower-extremity, Jan., 50-51
- Prostaglandin(s)
 - for bleeding from stress gastritis, July, 498
 - endogenous, in stress erosive gastritis, July, 472-473

Prostaglandin(s) (*cont.*)

- I₂ in chronic lower-extremity ischemia, Jan., 50-51
- in stress ulcer prophylaxis, July, 488-489

Prosthesis: monocusp bovine pericardium valve, May, 371

Prosthetic

- mesh (*see* Mesh, prosthetic)
- reinforcement, giant, of visceral sac, for groin hernias, June, 427-428

Protein binding: of antibiotics, Dec., 816

Prothrombin synthesis: and antibiotics, Dec., 823

Pseudohermaphroditism

- female, Aug., 538-542
(*See also* Intersex abnormalities)
- enzyme deficiencies leading to, Aug., 538
- male, Aug., 533-537
(*See also* Intersex abnormalities)
- enzyme deficiencies leading to, Aug., 535

Pseudomembranous colitis: due to antibiotics, Dec., 824

Pseudomonal

- cephalosporins, Dec., 854-856
- penicillins, Dec., 838-841

PTA (*see* Angioplasty, percutaneous transluminal)

PTFE (*see* Polytetrafluoroethylene)

Puberty: hypogonadism therapy during, Aug., 545-546

Pulmonary

- contusion, Nov., 781
- flail chest and, Nov., 787-788
- embolism, May, 355-357
- after amputation for lower limb ischemia, Feb., 162
- thrombosis and, axillosubclavian vein, May, 386
- trauma, Nov., 779, 781

Pulse volume recordings: in chronic lower-extremity ischemia, Jan., 32-33

Pump: calf muscle, May, 345-346

Puncture: for angiography in chronic lower-extremity ischemia, Jan., 57-58

Pyloroplasty for peptic ulcer, Apr., 272-274
modifications, Apr., 274

R

Radiation therapy (*see* Radiotherapy)

Radiologic evaluation: in intersex abnormalities, Aug., 531-533

Radionuclide venography: in upper extremity deep venous thrombosis, May, 386

Radiotherapy

- in adrenal metastases, Oct., 731
- in adrenocortical carcinoma, Oct., 693
- adjuvant, Oct., 695
- carotid artery injury due to, Mar., 210-211
- in carotid body tumors, Mar., 210
- in pheochromocytoma, malignant, Oct., 715

Ranitidine

- for bleeding from stress gastritis, July, 498
- in stress ulcer prophylaxis, July, 484-485

Rash: due to antibiotics, Dec., 821

Ray amputation: for ischemia, technique, Feb., 156-157

Reconstruction

- infrainguinal, for chronic lower-extremity ischemia, Feb., 125-139
- perineal (*see* Perineal, reconstructions)
- vein valve, May, 370-371
- venous, deep, procedures for, May, 370

Rectum operations

- antibiotic prophylaxis in, Dec., 893-894
- preparation for, Dec., 894

Reflux

- bile, in stress erosive gastritis, July, 466-467

- venous valvular, grading by descending phlebography, May, 362
- Renal (see Kidney)
- Resolving ischemic neurologic deficits, Mar., 219-220
- Respiratory difficulties: in flail chest, Nov., 787
- Restenosis: after lower extremity percutaneous transluminal angioplasty, etiologies and intervention, Feb., 112
- Retinal photograph: of Hollenhorst plaque, Mar., 216
- Revascularization: vs. amputation for lower limb ischemia, Feb., 144-148
- Rib resection: first, in Paget-Schroetter syndrome, May, 388
- RINDs, Mar., 219-220
- Roentgenogram
 - of aortic injuries, Nov., 773, 774
 - after bullet wounds
 - of chest, Nov., 781
 - of neck, lower, Nov., 783
 - of bullets in heart, Nov., 766
 - of hemothorax, Nov., 773, 789
 - of pneumothorax, tension, Nov., 791
- Rotablator: Auth, Feb., 118
- Rupture, traumatic
 - aorta, diagram of stresses contributing to, Nov., 772
 - arterial, innominate and subclavian, Nov., 777
 - bronchi, main stem, Nov., 780
 - cardiac, Nov., 770-771
 - primary repair, Nov., 771
 - tracheal
 - distal, Nov., 780
 - thoracic, repair of, Nov., 779

S

- Sac: nylon, for kidney entrapment in laparoscopic nephrectomy, Sept., 649
- Saline lavage: for bleeding from stress gastritis, July, 497

- Scanning
 - brain, in cerebrovascular disease, Mar., 227-230
 - duplex (see Duplex scanning)
 - ventilation perfusion, in diagnosis of pulmonary embolism, May, 356-357
- Scintigraphy
 - MIBG, of pheochromocytoma of organ of Zuckerkandl, Oct., 704
 - recurrent, Oct., 718
 - in pheochromocytoma, Oct., 702-706
- Scissors: laparoscopic, Sept., 602
- Sclerotherapy: in varicose veins, May, 379-381
- Scrotal repair: prepenile, for hypospadias in intersex patients, Aug., 568-571
- Segmental limb pressures: in chronic lower-extremity ischemia, Jan., 36-37
- Seizures: due to antibiotics, Dec., 823
- Sepsis: breaking mucosal barrier causing peptic ulcer, Apr., 319-321
- Septa (see Sulfamethoxazole-trimethoprim)
- Sex
 - adrenocortical carcinoma and, Oct., 677
 - amputation for lower limb ischemia and, Feb., 142
 - pheochromocytoma and, Oct., 699
 - varicose veins and, May, 374
- Shock: breaking mucosal barrier causing peptic ulcer, Apr., 319-321
- Shouldice repair: of groin hernias, June, 424-427
- Shrapnel: cardiac, sites and management, Nov., 764
- Shunt placement: in carotid endarterectomy, Mar., 235-237
- Simpson Peripheral AtheroCath, Feb., 116
 - proposed mechanism of action, Feb., 117

- Sitting: chair, and varicose veins, May, 374-375
- Skin
- biopsy, genital, in male pseudohermaphroditism, Aug., 533
 - blood flow for determination of lower limb amputation level, Feb., 153-154
 - changes and varicose veins, May, 376
 - fluorescence for determination of lower limb amputation level, Feb., 152
 - perfusion pressure for determination of lower limb amputation level, Feb., 152-153
- Skull (see Cranium)
- Smoking
- cessation
 - after infrainguinal bypass, Feb., 131
 - in ischemia, chronic lower-extremity, Jan., 45-47
 - effects on atherosclerosis, Jan., 46
- SMX-TMP (see Sulfamethoxazole-trimethoprim)
- Sodium suramin: in adrenocortical carcinoma, Oct., 693
- Spironolactone
- in adrenocortical carcinoma, Oct., 695
 - in hyperaldosteronism, primary, Oct., 675
- Stab wound: of heart, Nov., 753
- Staphcillin (see Methicillin)
- Staphylococcal
- cephalosporins, Dec., 850-852
 - penicillins, Dec., 834-836
- Steal: vertebral steal phenomenon, Mar., 220-221
- Stenosis
- carotid (see Carotid, stenosis)
 - peripheral arteries, duplex criteria for, Jan., 42
 - restenosis after lower extremity percutaneous transluminal angioplasty, etiologies and interventions, Feb., 112
- Stent(s)
- intravascular, in chronic lower-extremity ischemia, Feb., 119-120
 - Palmaz, Feb., 120
- Steroid(s)
- after aortic cross-clamping, Nov., 775
 - gastritis due to, July, 463
 - management of neonate with adrenogenital syndrome, Aug., 541
 - metabolism, normal pathways for, Aug., 530
 - in periarteritis nodosa, Mar., 213
 - perioperative, in adrenocortical carcinoma, Oct., 685-686
 - receptor homology, Aug., 524
 - in Takayasu's arteritis, Mar., 213
- Stockings: graduated elastic compression, May, 367-369
- Stomal ulcer: perforated, selection of operation for, Apr., 315-316
- Stones
- bile duct, common, management during laparoscopic cholecystectomy, Sept., 636-638
 - gallstones (see Gallstones)
- Streptococcal penicillins, Dec., 832-834
- Stress(es)
- contributing to traumatic aortic rupture, diagram of, Nov., 772
 - gastritis (see Gastritis, stress erosive)
 - ulcer (see Ulcer, stress)
- Stroke
- complicating carotid endarterectomy, Mar., 245-246
 - definition, Mar., 220
 - in evolution, Mar., 220
 - rate
 - for asymptomatic patients, Mar., 249
 - for patients who had TIAs, Mar., 249
 - for patients who have had stroke, Mar., 249

Subclavian
artery
branches, Mar., 190-191
rupture, traumatic, Nov., 777
vein
catheterization causing deep
venous thrombosis, May, 384
thrombosis (*see* Thrombosis,
venous, deep, upper extremity)
Subcutaneous emphysema: after
blunt chest trauma, Nov.,
777
Sucking wounds: of chest, Nov.,
785-786
Sucralfate: in stress ulcer prophylaxis, July, 489-490
Sulbactam (*see* Ampicillin,
-sulbactam)
Sulfamethoxazole-trimethoprim,
Dec., 865-867
adverse reactions, Dec., 867
antibacterial spectrum, Dec., 866-
867
features, Dec., 867
pharmacokinetics, Dec., 866
Sulfinpyrazone: in cerebrovascular
disease, Mar., 242
Sulfonamides, Dec., 864-867
Supraclavicular fossa: bullet wound
of, Nov., 774
Suramin: in adrenocortical carcinoma, Oct., 693
Swan-Ganz catheter (*see* Catheter,
Swan-Ganz)
Syme's amputation: for ischemia,
technique, Feb., 158, 159

T

Takayasu's arteritis, Mar., 212-
213
Tazicef (*see* Cefotaxime)
Tazidime (*see* Cefotaxime)
Temporal arteritis, Mar., 212
Tension pneumothorax, Nov., 791-
792
Testis
carcinoma, in situ, in intersex
patients, Aug., 574-575
-determining factor, Aug., 521
function, hCG stimulation test
for, in intersex abnormalities,
Aug., 532
undescended, in intersex patients,
management of, Aug.,
573-574
Testosterone enanthate: in micropallus, Aug., 544-545
Tetracyclines, Dec., 868-869
Thermography: for determination of
lower limb amputation level,
Feb., 154
Thoracotomy: left anterolateral,
Nov., 756
Thorax (*see* Chest)
Thrombectomy in deep venous
thrombosis
lower extremity, May, 355
upper extremity, May, 387
Thromboangiitis obliterans: arteriographic
findings in, Jan., 73-
74, 79
Thrombocytopenia: heparin-induced,
May, 353
Thromboendovenectomy: with vein
patch venoplasty, May, 373
Thrombolytic therapy in deep
venous thrombosis
effort-induced, May, 388
lower extremity, May, 354
upper extremity, May, 387
Thrombophlebitis: migratory, May,
384
Thrombosis
venous, axillosubclavian (*see*
Thrombosis, venous, deep,
upper extremity *below*)
venous, deep, hypercoagulable
states causing, May, 382
venous, deep, lower extremity,
May, 348-357
after amputation, Feb., 162
diagnosis, May, 350-351
epidemiology, May, 348-349
heparin in, May, 352-354
after infrainguinal bypass, Feb.,
136
lytic therapy in, May, 354
prophylaxis, May, 351-352
risk factors, May, 349-350

Thrombosis (*cont.*)

venous, deep, lower extremity

(*cont.*)

thrombectomy in, May, 355

treatment, May, 352-355

venous, deep, upper extremity,

May, 384-389

clinical aspects, May, 385-386

diagnosis, May, 386-387

effort-induced, May, 388-389

incidence, May, 384-385

spontaneous, May, 388-389

treatment, May, 387-388

venous, superficial, May, 381-384

hypercoagulable states causing,

May, 382

Thromboxane

A₂, May, 347-348

synthetase inhibitors in chronic

lower-extremity ischemia,

Jan., 52

Thrombus: in ulcer crater in carotid

ulcer, Mar., 218

TIAs, Mar., 219

crescendo, Mar., 220

stroke rate after, Mar., 249

Ticarcillin, Dec., 841

-clavulanate, Dec., 845

Ticlopidine

in cerebrovascular disease, Mar.,

242

in ischemia, chronic lower-
extremity, Jan., 52

Tinidazole, Dec., 877

Tobacco smoking (*see* Smoking)

Tobramycin, Dec., 884-885

Toe amputation: for ischemia, tech-

nique, Feb., 155-156

Tolazoline: in angiography of lower

extremity, Jan., 64

Tomography

computed (*see* Computed tomog-
raphy)

positron emission

of cerebral circulation, Mar.,

197

in cerebrovascular disease,

Mar., 229-230

Toxicity

antibiotic (*see* Antibiotic, toxicity)

ergot, arteriographic findings in,

Jan., 79, 81-82

Trachea

cervical, wound, diagram of re-

pair of, Nov., 778

rupture (*see* Rupture, trachea)

tear, traumatic longitudinal, Nov.,

777

Tracheobronchial injury, Nov., 776-

779

Training: for laparoscopic cholecys-

tectomy, Sept., 645

Transient ischemic attacks (*see*

TIAs)

Transluminal

angioplasty (*see* Angioplasty, per-

cutaneous transluminal)

endovascular procedures for

chronic lower-extremity isch-

emia vs. surgical standards,

Feb., 121-123

Transmetatarsal amputation: for

ischemia, technique, Feb.,

157-158

Transplantation: vein valve, May,

369-370

Transposition: vein valve, May, 370

Transversalis fascia, June, 409-410,

412

analogues, June, 410-413

slings, June, 412-413

Trauma

aorta (*see* Aorta, injuries)

cardiac (*see* Heart, trauma)

cardiothoracic (*see* Cardiotho-

racic trauma)

chest (*see* Chest, injuries)

esophagus (*see* Esophagus, inju-

ries)

hemothorax due to, Nov., 788-

790

x-rays, Nov., 773, 789

pneumothorax due to (*see* Pneu-

mothorax)

pulmonary, Nov., 779, 781

rupture due to (*see* Rupture,

traumatic)

trachea, cervical, repair of, Nov.,

778

tracheobronchial, Nov., 776-779

Trimethoprim (*see*
Sulfamethoxazole-
trimethoprim)

Trocar-sheath
assemblies, laparoscopic, Sept.,
597
insertion in laparoscopic chole-
cystectomy, Sept., 608-611,
612
injuries due to, Sept., 627
positrons for, Sept., 615

Truncal vagotomy (*see* Vagotomy,
truncal)

Tumor
adrenal (*see* Adrenal, neoplasms)
carotid body, Mar., 208-210
angiogram of, Mar., 208
endocrine, multiple, type II, and
pheochromocytoma, Oct.,
698-699
germ cell, in intersex patients,
Aug., 575

U

Ulcer
carotid, Mar., 203
thrombus in ulcer crater, Mar.,
218
Curling's, July, 462-463
Cushing's, July, 463
duodenal
bleeding, selection of emergency
operation for, Apr., 305-307
combined with gastric ulcer,
treatment, Apr., 319
perforated, Apr., 309-314
perforated, closure of, omental
patch, after parietal cell va-
gotomy, Apr., 311
perforated, closure of, simple,
Apr., 310-312
perforated, closure of, simple,
and parietal cell vagotomy,
Apr., 313-314
perforated, nonoperative treat-
ment, Apr., 309-310
perforated, operation for, defin-
itive, Apr., 312-313

perforated, operation for, selec-
tion of, Apr., 309-314
gastric, Apr., 297-305
benign, selection of operation
for, Apr., 299-305
bleeding, selection of emer-
gency operation for, Apr.,
307-308
combined with duodenal ulcer,
treatment, Apr., 319
gastric erosion compared to,
July, 461
perforated, selection of opera-
tion for, Apr., 314-315
surgery for, Apr., 297-
299
type I, parietal cell vagotomy
and mucosal ulcerectomy
for, Apr., 303
types of, and their recom-
mended surgical treatment,
Apr., 300

peptic, Apr., 271-330
bleeding, selection of emer-
gency operation for, Apr.,
305-308
conclusions, Apr., 321-323
gastric resection for, distal (*see*
Gastric, resection, distal, for
peptic ulcer)
in gastrinoma patients, Apr.,
316-318
gastroenterostomy for, Apr.,
274-275
historical overview, Apr., 271-
272
mucosal barrier broken by
chemicals, sepsis, and shock
causing, Apr., 319-321
obstruction by, management,
Apr., 308-309
perforated, selection of opera-
tion for, Apr., 309-316
pyloroplasty for, Apr., 272-
274
pyloroplasty for, modifications,
Apr., 274
recurrent, after parietal cell va-
gotomy, Apr., 291-293
surgery for, Apr., 271-330

Ulcer (*cont.*)

peptic (*cont.*)

- surgery for, historical overview, Apr., 271-272
- vagotomy for (*see* Vagotomy)
- stomal, perforated, selection of operation for, Apr., 315-316
- stress
 - (*See also* Gastritis, stress erosive)
 - pH in, intragastric, significance of, July, 476
 - stress, prophylaxis, July, 474-495
 - antacids in, July, 476-478
 - antacids in, vs. cimetidine, July, 481
 - cimetidine in (*see* Cimetidine, in stress ulcer prophylaxis)
 - commentary on, July, 491-495
 - famotidine in, July, 485-488
 - famotidine in, gastric pH after (*see* pH, gastric, after famotidine)
 - H₂ receptor antagonists in (*see* Histamine₂ receptor antagonists, in stress ulcer prophylaxis)
 - prostaglandins in, July, 488-489
 - ranitidine in, July, 484-485
 - sucralfate in, July, 489-490
- Ulcerectomy: mucosal, for type I gastric ulcer, Apr., 303
- Ultrasound
 - Doppler (*see* Doppler, ultrasound)
 - duplex (*see* Duplex scanning)
 - in thrombosis diagnosis, deep venous, May, 350
- Unasyn (*see* Ampicillin, -sulbactam)
- Unna's boot, May, 367
- Urethrostomy, perineal, for hypospadias
 - midshaft, Aug., 559
 - penoscrotal, Aug., 560
- Urokinase in deep venous thrombosis
 - lower extremity, May, 354
 - upper extremity, May, 387

V

- Vaginal atresia: high, in infants raised as females, management of, Aug., 554-557
- Vaginoplasty, flap, in infants raised as females, Aug., 551-554
 - buttock, with high vaginal pull-through, Aug., 554-557
- Vagotomy, Apr., 280-285
 - for bleeding from stress gastritis, July, 501
 - drainage procedures used with, Apr., 273
 - parietal cell, Apr., 289-297
 - development, Apr., 289-291
 - diagram, Apr., 282
 - esophagogastric junction in, Apr., 297
 - for gastric ulcer, type I, Apr., 303
 - nerve of Latarjet in, preserved anterior, Apr., 296
 - operative technique, Apr., 295-297
 - for perforated duodenal ulcer, omental patch closure after, Apr., 311
 - for perforated duodenal ulcer, simple closure after, Apr., 313-314
 - recurrent ulcers after, Apr., 291-293
 - results, Apr., 293-294
 - trials of, Apr., 294-295
- selective, Apr., 284-285
 - diagram, Apr., 282
- truncal
 - antrectomy and, Apr., 285-289
 - antrectomy and, development, Apr., 285-287
 - antrectomy and, trials of, Apr., 287-289
 - development, Apr., 280-281
 - diagram, Apr., 278, 282
 - types of, diagram, Apr., 282
- Valve
 - prosthesis, monocusp bovine pericardium, May, 371
 - venous (*see* Vein, valves)

- Valvuloplasty: technique for, May, 371
- Vancocin (*see* Vancomycin)
- Vancomycin, Dec., 870-872
 adverse reactions, Dec., 872
 antibacterial spectrum, Dec., 871-872, 874
 pharmacokinetics, Dec., 871, 873
- Van Winiwarer-Buerger disease: arteriographic findings in, Jan., 73-74, 79
- Varicography: in varicose veins, May, 377
- Varicose veins, May, 357-358, 374-381
 compression therapy in, May, 381
 epidemiology, May, 374-375
 evaluation of, May, 376-377
 pathophysiology, May, 375-376
 photoplethysmography in, May, 378
 sclerotherapy in, May, 379-381
 surgery in, May, 377-379
 treatment, May, 377-381
- Vascular
 (*See also* Vessels)
 cerebrovascular (*see* Cerebrovascular)
 endothelium, May, 346-348
 endovascular procedures (*see* Endovascular procedures)
 laboratory, peripheral, in chronic lower-extremity ischemia, Jan., 31-43
 operations, antibiotic prophylaxis in, Dec., 898
- Vasculitis: carotid artery in, Mar., 211-214
- Vasodilators
 in angiography of lower extremity, Jan., 63-64
 in ischemia, chronic lower-extremity, Jan., 50-51
- Vasopressin infusion: for bleeding from stress gastritis, July, 499-500
- Vecuronium: in pheochromocytoma surgery, Oct., 709
- Vein(s)
 adrenal (*see* Adrenal, vein)
- angioplasty, balloon, in Paget-Schroetter syndrome, May, 388-389
- bypass (*see* Bypass, venous)
- communicating, May, 347
- deep
 (*See also* Thrombosis, venous, deep)
 aplasia, congenital, causing chronic venous insufficiency, May, 359
 reconstruction, procedures for, May, 370
 system, noninvasive evaluation in chronic venous insufficiency, May, 362-365
 disease, May, 339-400
 anatomic considerations, May, 339-348
 functional considerations, May, 339-348
 examination, Doppler, in chronic venous insufficiency, May, 363
 femoral, incompetent superficial, ligation of, May, 372
 graft, PTFE, May, 373
 iliac, gunshot wound of, Nov., 766
 insufficiency, chronic, May, 357-374
 compression therapy in, May, 367-369
 diagnosis, May, 360-365
 Doppler venous examination in, May, 363
 duplex scanning in, May, 363-365
 epidemiology, May, 358
 etiology, May, 358-360
 management, May, 365-374
 management, nonoperative, May, 366-367
 noninvasive evaluation of deep venous system in, May, 362-365
 pathophysiology, May, 358-360
 plethysmography in, impedance, May, 365
 surgery in, May, 369-374

Vein(s) (cont.)

- patch venoplasty, thromboendo-venectomy with, May, 373
- renal, in adrenocortical carcinoma, MRI of, Oct., 684
- sampling, selective, in localization of aldosterone-producing adenoma, Oct., 675
- subclavian (see Subclavian, vein)
- system, hemodynamics of, May, 340-342
- thrombosis (see Thrombosis, venous)
- valve(s), May, 342-345
 - aplasia, congenital, causing chronic venous insufficiency, May, 359
 - incompetence, causing chronic venous insufficiency, May, 359-360
 - in lower extremity, average number and location of, May, 344
 - opening and closure of, May, 343
 - reconstruction, May, 370-371
 - reflux, grading by descending phlebography, May, 362
 - repair, direct, May, 370
 - substitute, May, 372
 - transplantation, May, 369-370
 - transposition, May, 370
 - varicose (see Varicose veins)
- Velocimetry: laser Doppler, for determination of lower limb amputation level, Feb., 151-152
- Vena cava, inferior
 - filter, in paraganglioma surgery, Oct., 719
 - in pheochromocytoma, CT of, Oct., 714
- Venography
 - in adrenocortical carcinoma, Oct., 685
 - in thrombosis, upper extremity deep venous, May, 386
- Venoplasty: vein patch, thromboendo-venectomy with, May, 373

Venous (see Vein)

Ventilation

- mechanical, and stress gastritis, July, 462
- perfusion scan in diagnosis of pulmonary embolism, May, 356-357

Ventricle

- left, bullet wound of, Nov., 758
- right, traumatic rupture, primary repair of, Nov., 771

Varess needle: for establishing pneumoperitoneum, Sept., 596

Vertebral

- artery(ies)
 - anatomy of, Mar., 191-192
 - in collateral circulation, Mar., 196
 - entrance into cranium, Mar., 192
- steal phenomenon, Mar., 220-221

Vesicle: neoseminal, creation in intersex patients, Aug., 571-573

Vessels

- (See also Vascular)
- distal, opacification in angiography, Jan., 63-66
- imaging (see Imaging, vessel)

Vibramycin (see Doxycycline)

Video equipment: for laparoscopic cholecystectomy, Sept., 606

Visceral sac reinforcement: giant prosthetic, for groin hernias, June, 427-428

Volume

- expansion after penetrating cardiac trauma, Nov., 754
- flow measurements in chronic lower-extremity ischemia, Jan., 32
- recordings, pulse, in chronic lower-extremity ischemia, Jan., 32-33
- repletion in pheochromocytoma, Oct., 708

W

Warfarin

- in cerebrovascular disease, Mar., 240
- in thrombosis, deep venous, May, 353

Wound(s)

- bullet (*see* Bullet, wounds)
- chest (*see* Chest, wounds)
- closure in carotid endarterectomy, Mar., 239
- complications
 - after carotid endarterectomy, Mar., 243

- after infrainguinal bypass, Feb., 135

gunshot

- (*See also* Bullet, wounds)
- of iliac vein, Nov., 766
- heart (*see* Heart, wounds)

X

- X-ray (*see* Roentgenogram)

Z

- Zolicef (*see* Cefazolin)